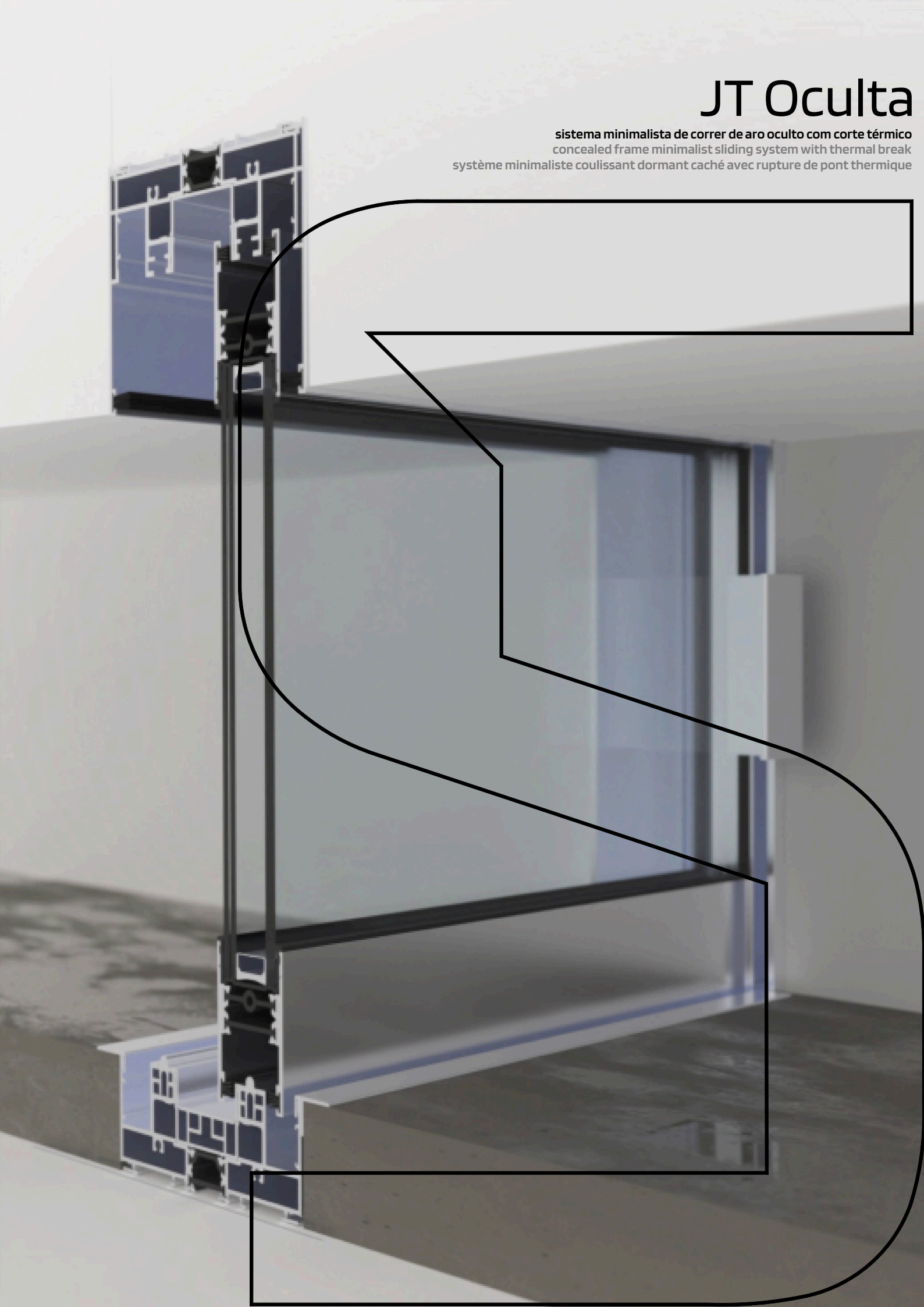
# JT Oculta

**sistema minimalista de correr de aro oculto com corte térmico**
concealed frame minimalist sliding system with thermal break
système minimaliste coulissant dormant caché avec rupture de pont thermique



# I

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# I

**APRESENTAÇÃO**

**PRESENTATION | PRÉSENTATION**

**sistema minimalista de correr de aro oculto com corte térmico**
**concealed frame minimalist sliding system with thermal break**
**système minimaliste coulissant dormant caché avec rupture de pont thermique**

Como consequência das exigências atuais do mercado por soluções cada vez mais minimalistas, surge a vertente JT-Oculta para complementar o sistema JT. Com o intuito de reduzir a vista de alumínio nas várias soluções de tipologias possíveis, mantendo as características muito apreciadas da JT, criaram-se novos perfis de aro fixo e perfis complementares, através dos quais passa a ser possível executar soluções embutidas, reduzindo a vista perimetral do alumínio.

In response to current market demands for increasingly minimalist solutions, the JT-Oculta range has been introduced to complement the JT system. With the objective of reducing the visible aluminium in the various possible design solutions, whilst retaining the much-appreciated characteristics of JT, new fixed-frame profiles and complementary profiles have been created, making it possible to create integrated solutions that minimise the visible aluminium around the perimeter.

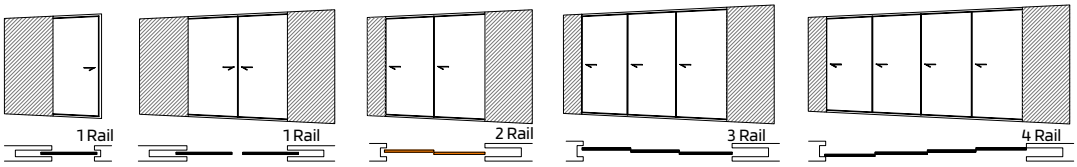
Face aux exigences actuelles du secteur, qui réclame des solutions de plus en plus minimalistes, la gamme JT-Oculta a été créée pour compléter le système JT.
Afin de réduire la visibilité de l'aluminium dans les différentes solutions possibles, tout en conservant les caractéristiques très appréciées de la gamme JT, de nouveaux profilés à cadre fixe et des profilés complémentaires ont été créés, grâce auxquels il est désormais possible de réaliser des solutions intégrées, réduisant ainsi la visibilité périphérique de l'aluminium.

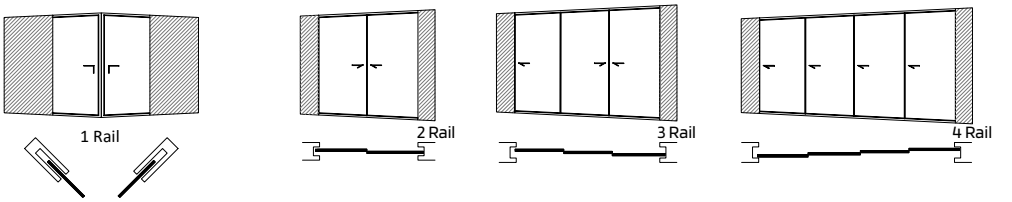
## Características

## Features | Caractéristiques

| | | |
|---|---|---|
| Apresentação<br>Presentation \| Présentation | Reta<br>Straight \| Droite | |
| Dimensões<br>Dimensions \| Dimensions | Aro fixo<br>Fixed frame<br>Cadres dormant | 1Rail: 61mm<br>2Rail: 117mm \| 126mm<br>3Rail: 173mm \| 182mm<br>4Rail: 228mm \| 238mm |
| | Aro móvel<br>Mobile frame \| Cadre ouvrant | 40mm \| 45mm |
| | Aros centrais<br>Middle profiles \| Centres | 54mm \| 108mm |
| Enchimento<br>Filling \| Remplissage | De 28mm a 34mm<br>From 28 to 34 mm \| De 28 à 24mm | |
| Vedação<br>Insulation \| Étanchéité | Pelúcias S-FIN \| S-FIN pile seal \| Joints brosse S-FIN<br>Juntas em EPDM \| EPDM joints \| Joints en EPDM | |
| Cortes<br>Cuts \| Coupes | 45° \| 90º | |
| Ferragens<br>Hardware \| Acessoires | Sistema Multiponto<br>Multipoint Lifting \| Système Multipoint | |
| Peso máximo *<br>Maximum weight \| Poids maximal | 280Kg/folha<br>Sash \| Vantail | |
| Área máxima *<br>Maximum area \| Aire maximale | 4,50 $m^2$/folha<br>Sash \| Vantail | |
| Largura máxima *<br>Maximum lenght \| Largeur maximale | 2000 mm/folha móvel<br>Mobile sash \| Vantail ouvrant | |
| Altura máxima *<br>Maximum height \| Hauteur maximale | 3000 mm/folha móvel<br>Mobile sash \| Vantail ouvrant | |
| Acabamentos<br>Finishes \| Finitions | Lacados \| Anodizados \| Bicolores<br>Powder coated \| Anodised \| Bicolour<br>Laqué \| Anodisé \| Bicouleur | |

* Para outras dimensões, consultar Departamento Técnico
For other dimensions, consult Technical Departement
Pour d'autres dimensions, merci de consulté le Département Technique



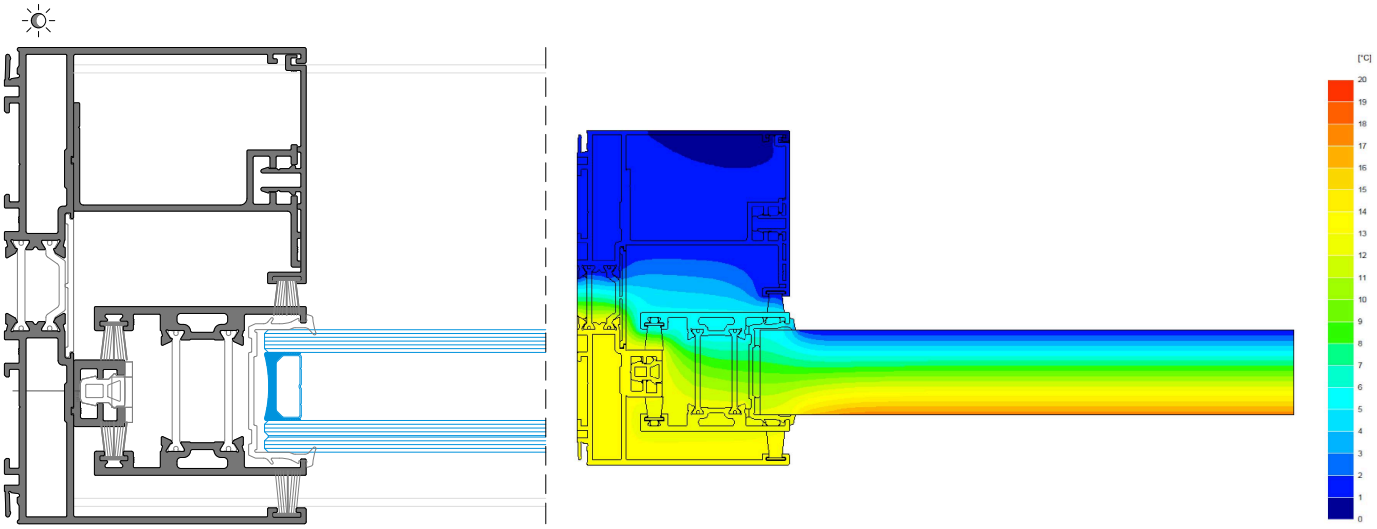




Para outras tipologias, consultar Departamento Técnico
For other typologies, consult Technical Departement
Pour d'autres typologies, merci de consulté le Département Technique

**Todas as medidas são consideradas em mm, salvo as devidamente identificadas**
**All measurements are considered in mm, except those duly identified | Toutes les mesures sont considérées en mm saufs celles qui sont dûment identifiées**

## Desempenho
Performance | Performance

| | |
|---|---|
| Coef. Transm. TÉRMICA<br>THERMAL Transmittance<br>Coef. Transm. THERMIQUE<br>ISO 10077-1:2017<br>ISO 10077-2:2017 | Uw = 1,38 W/m²K<br>Vidro triplo \| Triple glazing \| Vitrage triple Ug = 0,80 W/m²K<br>Janela de 2 folhas com \| 2 Sashes window with \| Fenêtre de 2 vantaux avec 2,4m x 2,3m (LxH)<br><br>Uw = 1,48 W/m²K<br>Vidro duplo \| Double glazing \| Vitrage double Ug = 1,00 W/m²K<br>Janela de 2 folhas com \| 2 Sashes window with \| Fenêtre de 2 vantaux avec 3,1m x 2,5m (LxH) |



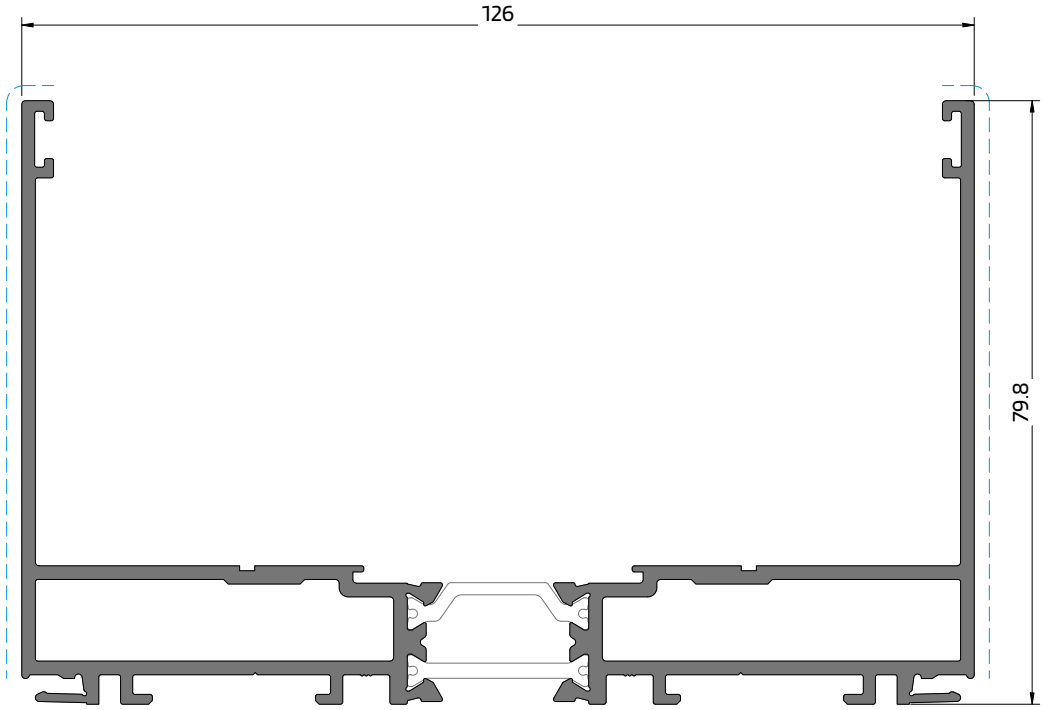

Escala | Scale | Échelle: 1/2

# II

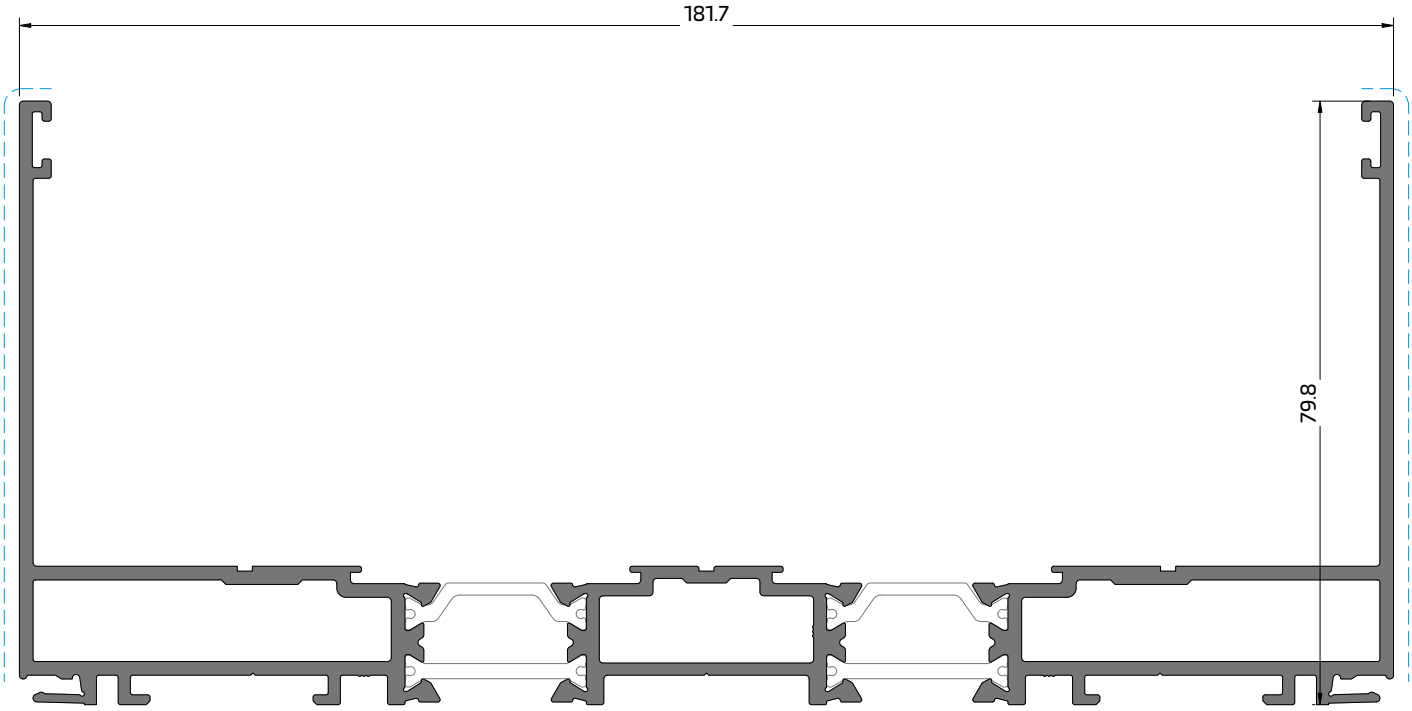
**LISTAGEM DE PERFIS**

**PROFILES LIST | LISTE DES PROFILÉS**

## LINHA OCULTA | HIDDEN LINE | LIGNE CACHÉE



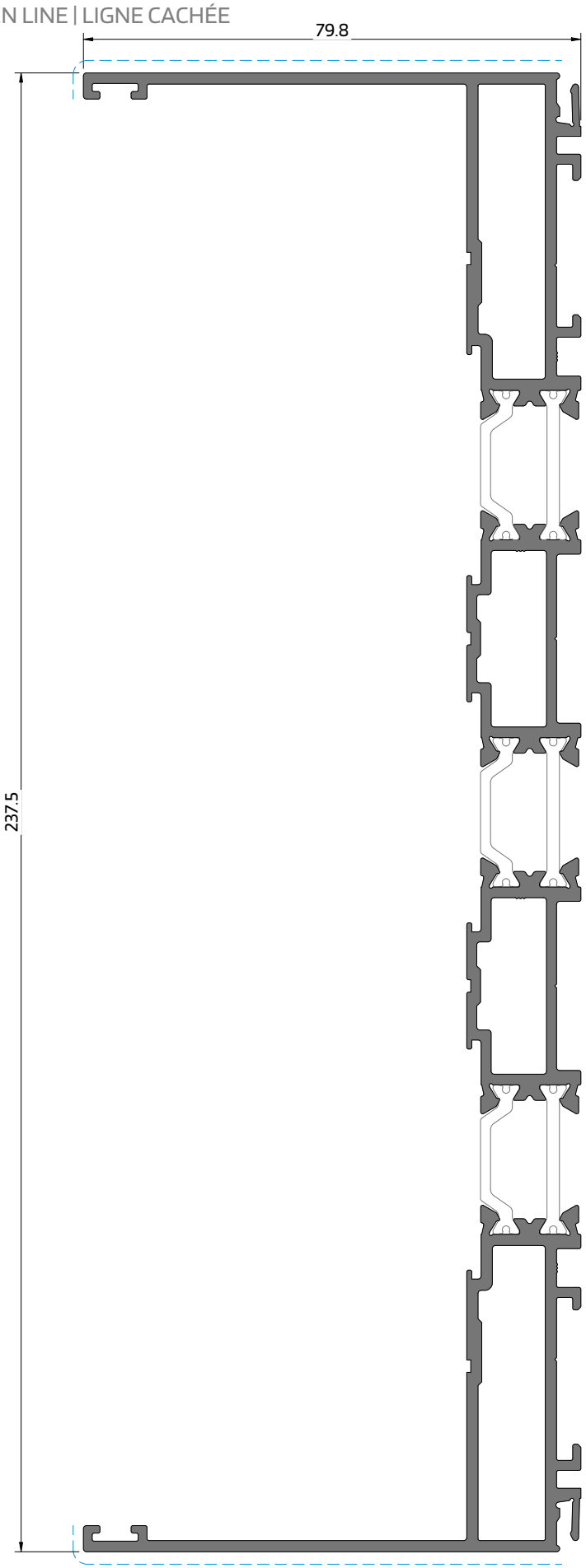

JT 07
Ombreira 90º 2rail
2rail 90º jamb | Jambage 90º 2rail




JT 08
Ombreira 90º 3rail
3rail 90º jamb | Jambage 90º 3rail

Tratamento de superfície | Surface treatment | Traitement de surface
PB
PB | PM | EM
PB | EF | EM
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

## LINHA OCULTA | HIDDEN LINE | LIGNE CACHÉE




JT 09

Ombreira 90º 4rail

4rail 90º jamb | Jambage 90º 4rail

Tratamento de superfície | Surface treatment | Traitement de surface

PB | EF | EM

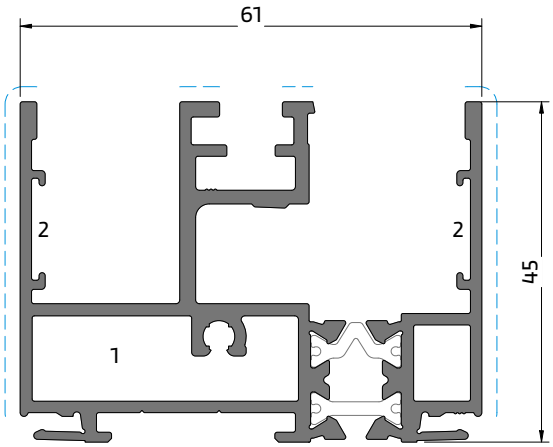
PB | PM | EF | EM

PB | PM | EM

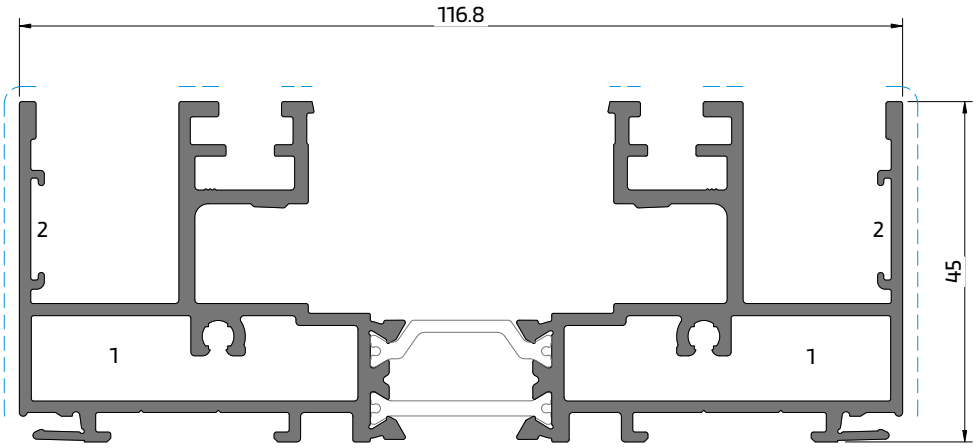
PB

Para mais informações, consultar Catálogo de Cores Anodizados

For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées




JT 05
Aro fixo PT/45º monorail
monorail PT/45º fixed frame | Cadre dormant PT/45º monorail



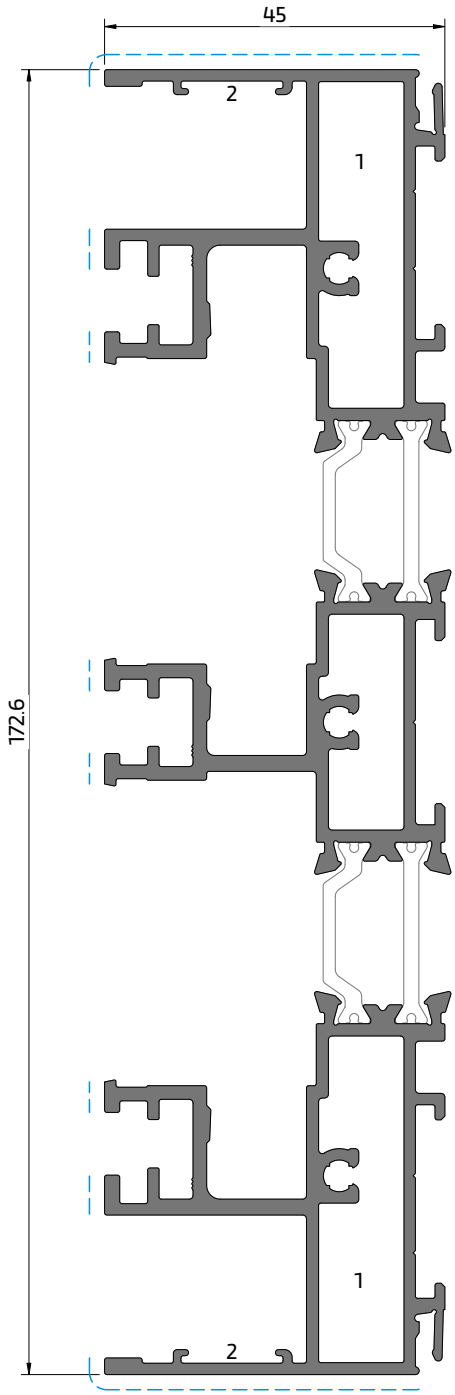

JT 14
Aro fixo PT/90º 2rail
2rail PT/90º fixed frame | Cadre dormant PT/90º 2rail

1 - ESQUADRO | CORNER CLEAT | ÉQUERRE 11x20.5 JT

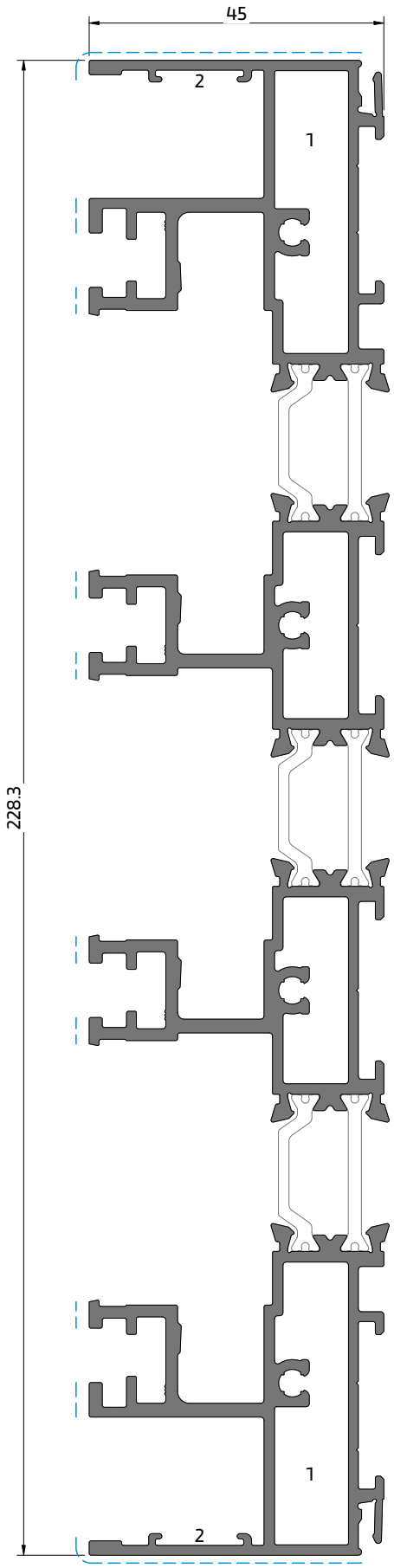
2 - CANTO | CORNER | ANGLE CR S/SB

Tratamento de superfície | Surface treatment | Traitement de surface
— — — PB
— · — · — PB | PM | EM
——— PB | EF | EM
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

## LINHA PT | PT LINE | LIGNE PT




**JT 24**
Aro fixo PT/90º 3rail
3rail PT/90º fixed frame | Cadre dormant PT/90º 3rail



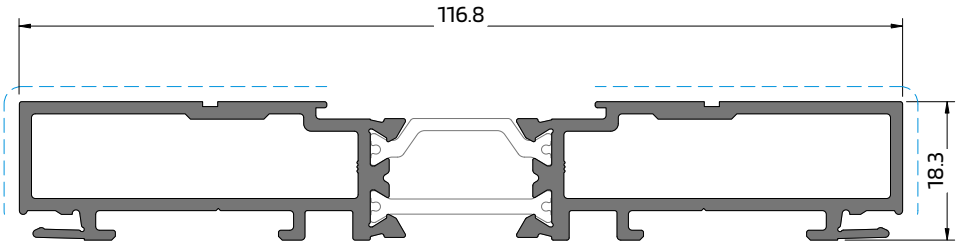

**JT 34**
Aro fixo PT/90º 4rail
4rail PT/90º fixed frame | Cadre dormant PT/90º 4rail

1 - ESQUADRO | CORNER CLEAT | ÉQUERRE 11x20.5 JT

2 - CANTO | CORNER | ANGLE CR S/SB

Tratamento de superfície | Surface treatment | Traitement de surface
— — — PB | PM | EF | EM
——— PB | EF | EM
—·—·— PB | PM | EM
——— PB
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

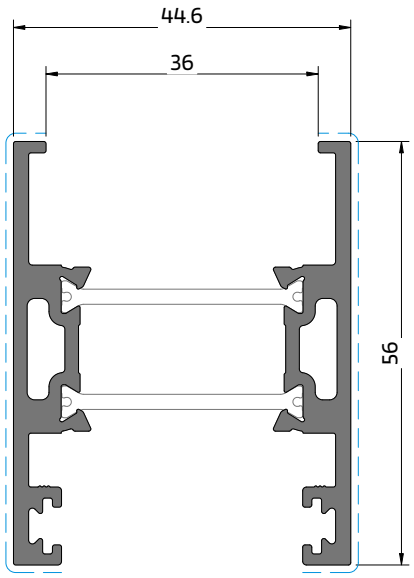
## LINHA SOLEIRA 30MM | 30MM SILL LINE | LIGNE SEUIL 30MM



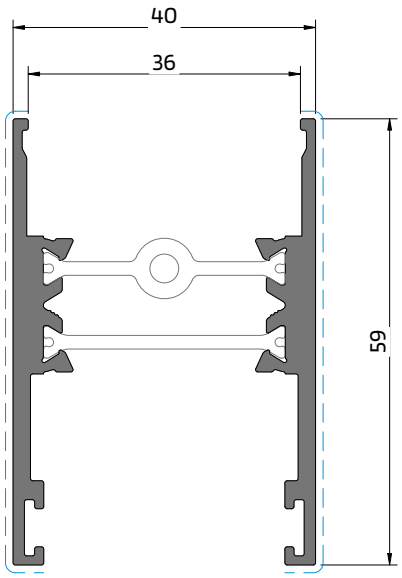

JT 10
Ombreira 90º 2rail
2rail 90º jamb | Jambage 90º 2rail

Tratamento de superfície | Surface treatment | Traitement de surface
PB
PB | PM | EF | EM
PB | EF | EM
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

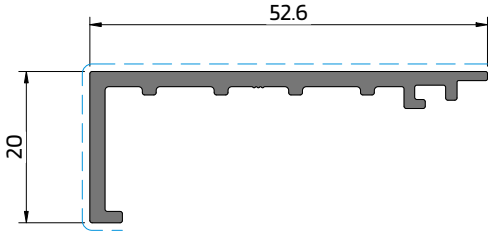
## LINHA JT-SLim | TJT-SLIM LINE | LIGNE JT-SLIM



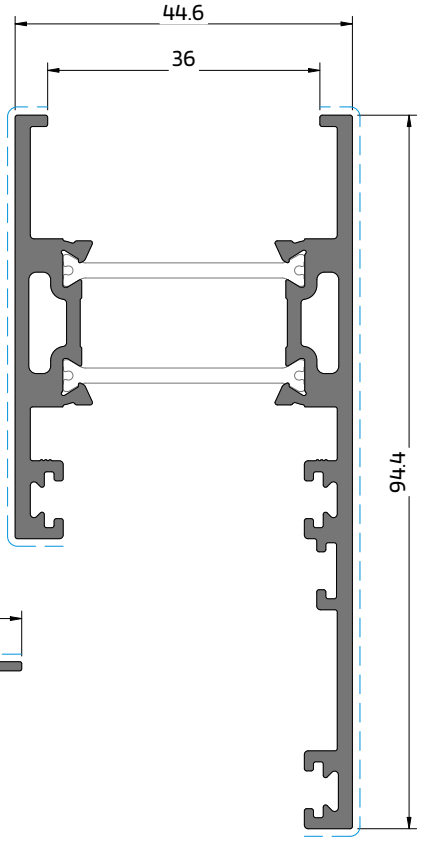

**JT 60**
Perfil lateral
Lateral profile | Profilé latéral

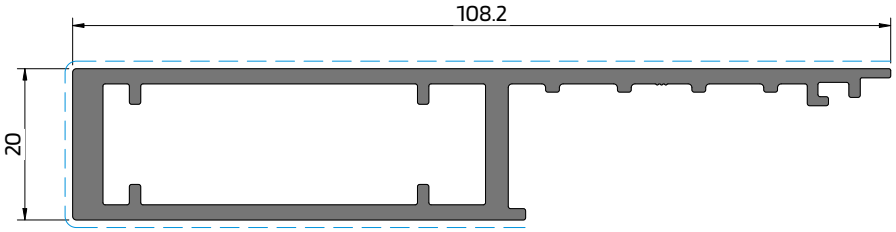



**JT 69**
Travessa superior/inferior
Upper/lower transom | Traverse supérieur/inférieur




**JT 55**
Perfil central
Central profile | Profilé central

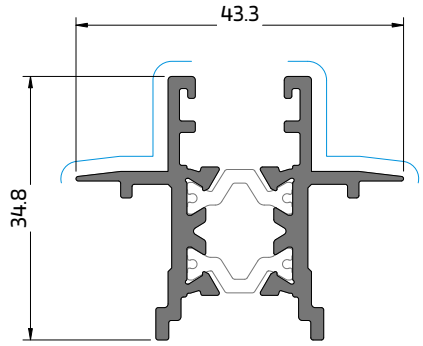


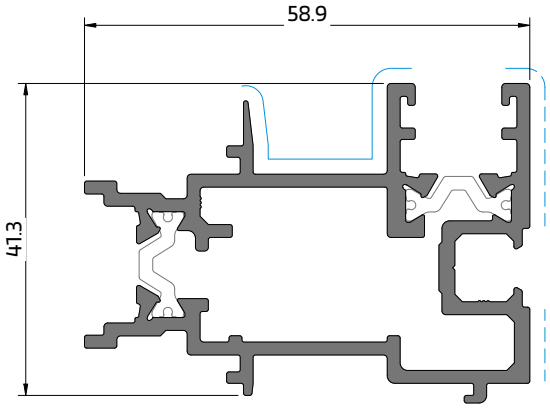

**JT 56**
Perfil central reforçado 20mm
20mm Reinforced central profile | Profilé central renforcé 20mm

**JT 70**
Perfil lateral canto 90º
90º Corner lateral profile | Profilé latéral d'angle à 90º

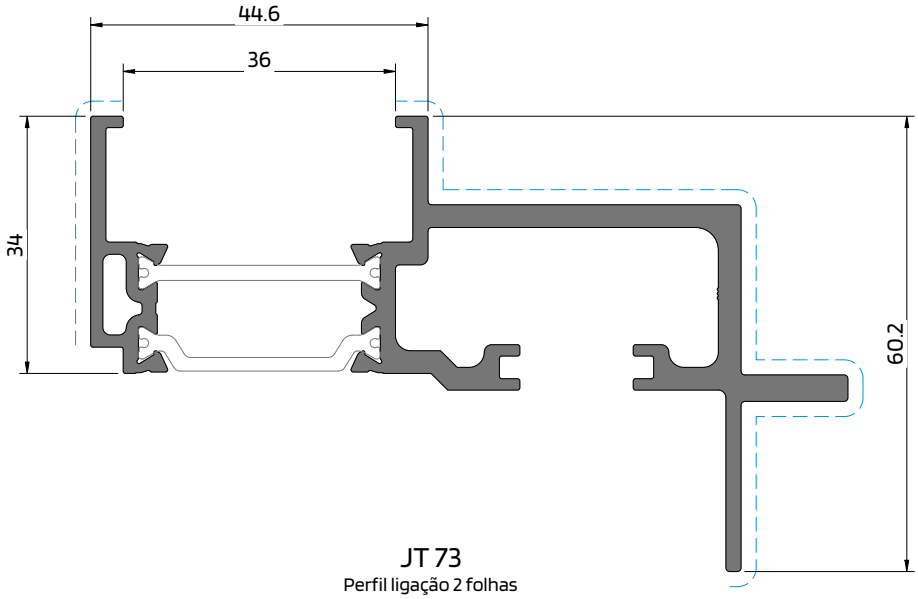
Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EF | EM — PB | PM | EM — PB
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



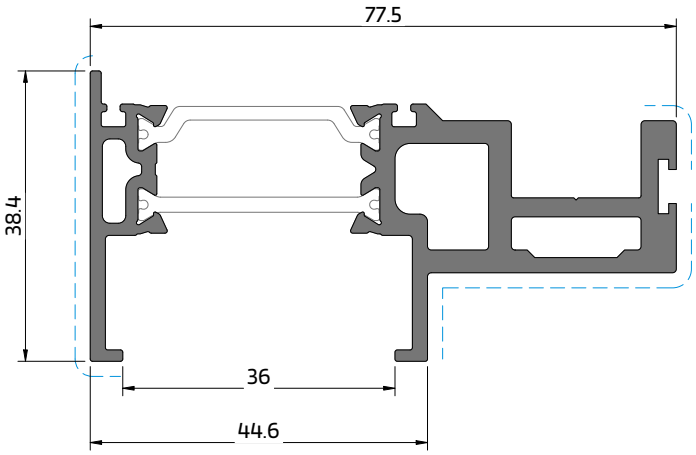

JT 71
Perfil ligação central
Central connecting profile | Profilé de liason centrale



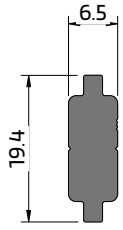

JT 72
Perfil ligação canto 90º
90º Corner connection profile | Profilé de liason d'angle à 90º




JT 73
Perfil ligação 2 folhas
2 Sashes connection profile | Profilé pour connexion 2 vantaux

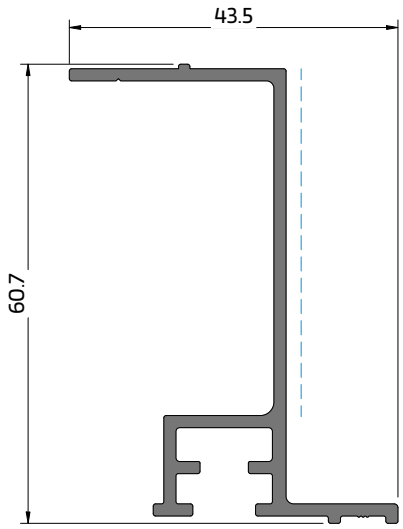



JT 74
Perfil ligação 2 folhas
2 Sashes connection profile | Profilé pour connexion 2 vantaux

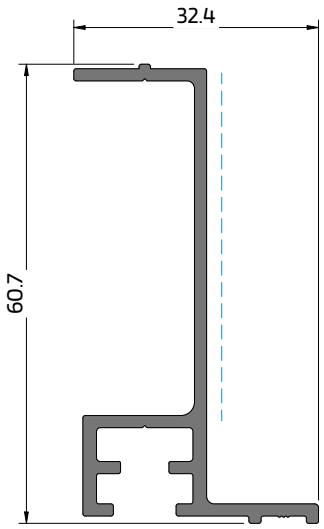



SO 33
Perfil vareta duplo
**Perfil exclusivamente anodizado**
Double rod profile
**Profile exclusively anodised**
Tige double
**Profilé exclusivement anodisé**

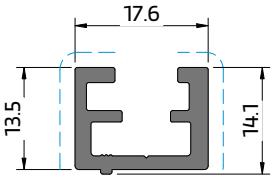
Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EF | EM — PB | PM | EM — PB
Para mais informações, consultar Catálogo de Cores Anodizados
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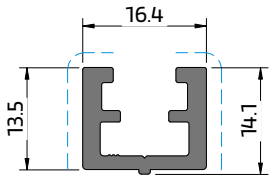

JT 75
Guia da ombreira 90º
90º Jamb guide profile | Guide pour jambage 90º
**Rails interior e exterior**
**Inside and outside rails | Rails intérieur et extérieur**



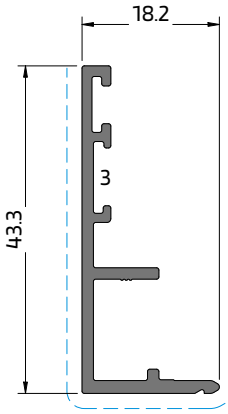

JT 76
Guia da ombreira 90º
90º Jamb guide profile | Guide pour jambage 90º
**Rail central**
**Central rail | Rail central**



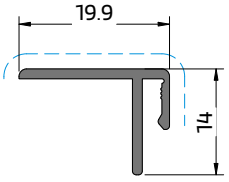

JT 78
Guia da ombreira 90º
90º Jamb guide profile | Guide pour jambage 90º
**Rails interior e exterior**
**Inside and outside rails | Rails intérieur et extérieur**



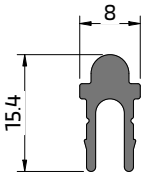

JT 79
Guia da ombreira 90º
90º Jamb guide profile | Guide pour jambage 90º
**Rail central**
**Central rail | Rail central**




JT 80
Perfil pingadeira
Drip profile | Larmier

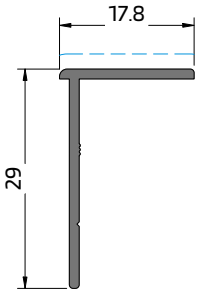



JT 81
Perfil complementar
Complementary profile | Profilé complémentaire

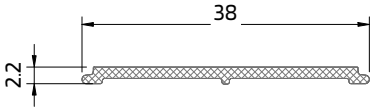



JT 87
Guia
Guide | Guide

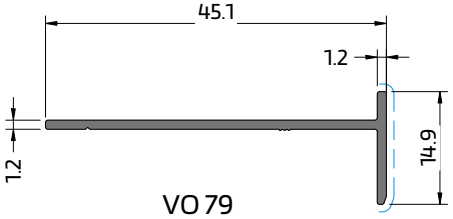
Acabamentos: Anodizado natural ou preto
Finishings: Natural or black anodised
Finitions: Anodisé naturel ou noir




JM 81
Perfil complementar
Complementary profile | Profilé complémentaire

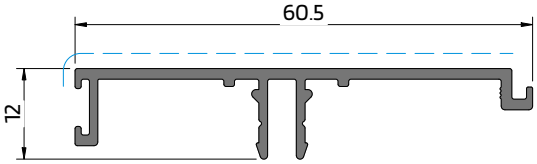



JE 96
Perfil poliamida
Polyamide profile | Profilé de polyamide

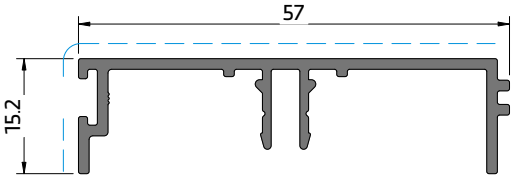



VO 79
Perfil complementar
Complementary profile | Profilé complémentaire

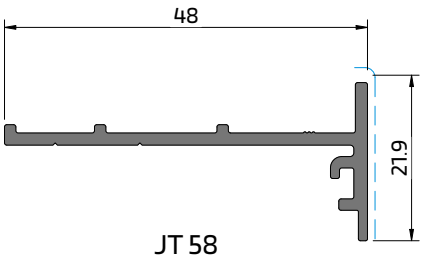
Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EF | EM — PB | PM | EM — PB
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



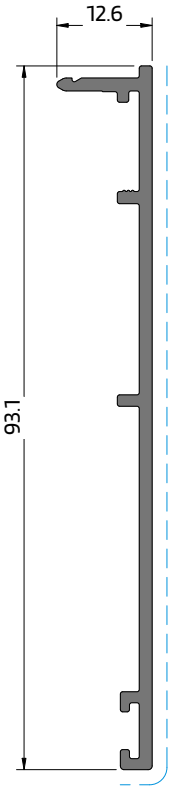

JT 77
Capa
Cover | Capot



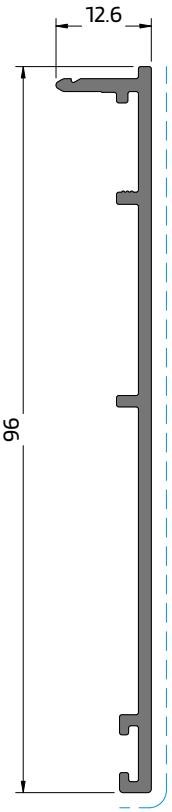

JT 91
Capa
Cover | Capot




JT 58
Perfil complementar
Complementary profile | Profilé complémentaire

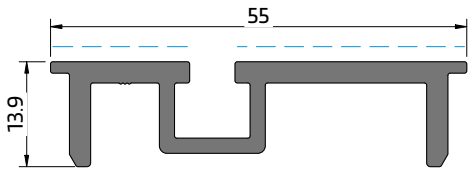



JT 95
Perfil complementar
Complementary profile | Profilé complémentaire

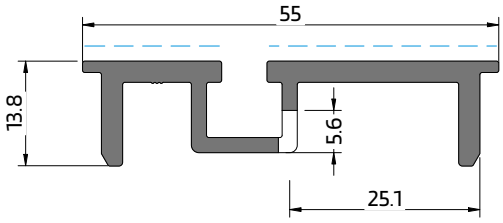



JT 99
Perfil complementar
Complementary profile | Profilé complémentaire

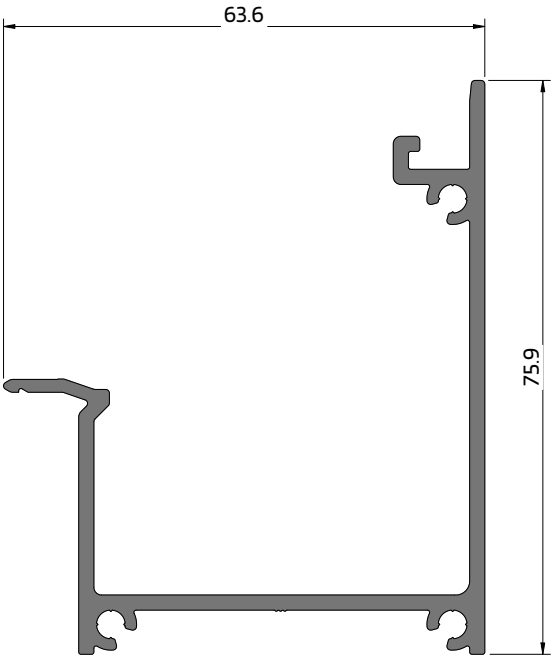
Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EF | EM — PB | PM | EM — PB
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



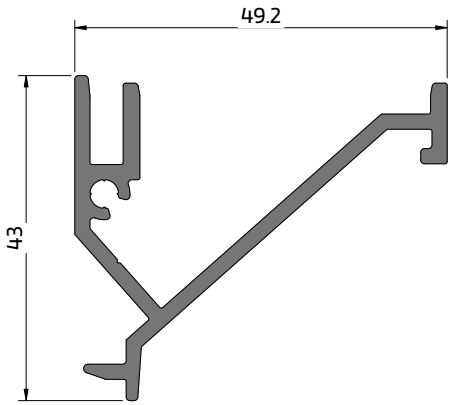

## SO 26
Tampa baixa para caleira
Short drainage channel grid | Grille bas pour gouttière de vidange




## SO 58
Tampa baixa para caleira - Maquinado
Short drainage channel grid - Machined | Grille bas pour gouttière de vidange - Usiné




## JT 48
Caleira
(Perfil anodizado - Preto ou Natural)
Drainage channel
(Anodised profile - Black or Natural)
Gouttière de vidange
(Profilé anodizé - Noir ou Naturel)



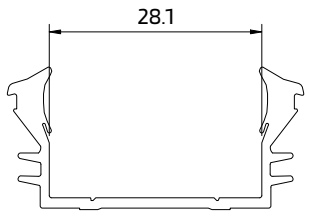

## JT 49
Perfil fixação da tampa de caleira
(Perfil anodizado - Preto ou Natural)
Drainage channel grid profile
(Anodised profile - Black or Natural)
Profilé pour fixation de grille pour gouttière de vidange
(Profilé anodizé - Noir ou Naturel)

Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EF | EM — PB | PM | EM — PB
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

# III

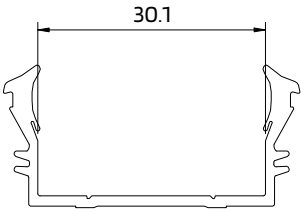
**LISTAGEM DE ACESSÓRIOS**
ACCESSORIES LIST | LIST D'ACCESSOIRES

## Juntas de vidro, vedantes e pelúcias
Glazing gaskets, seals and pile seals | Joints de vitrage, joints et joints brosse



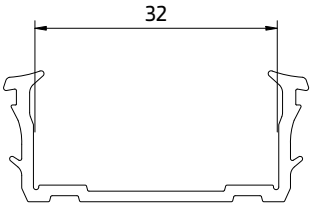

Rolo: 75 m
Material: EPDM | Acabamento: Preto

**208477** JUNTA VIDRO U 1028 CX 28MM JT



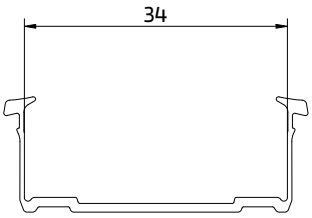

Rolo: 75 m
Material: EPDM | Acabamento: Preto

**208478** JUNTA VIDRO U 1030 CX 30MM JT



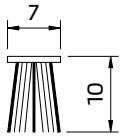

Rolo: 75 m
Material: EPDM | Acabamento: Preto

**208099** JUNTA VIDRO U 1032 CX 32MM JT



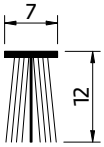

Rolo: 100m
Material: EPDM | Acabamento: Preto

**208483** JUNTA VIDRO U 1034 CX 34MM JT



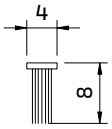

Aplicar nos perfis móveis laterais, travessas inferiores/superiores, centrais e tampas JT85/JT88
Rolos: 250m
Acabamento: Preto

**208307** PELÚCIA 7x10 TRI-FIN Preto



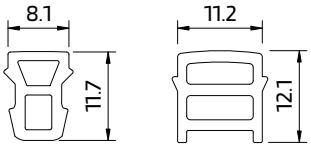

Para o perfil SO 46
Rolo: 300 m
Acabamento: Preto

**208466** PELÚCIA 7x12 STOP-FIN Preta




Rolo: 500m
Aplicar com a Junta Central 2196 e 2197

**208469** PELÚCIA SRF 4X8 2P1M Preta

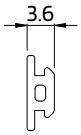



2116
(Rolo: 100m)

2117
(Rolo: 25m)
(Para perfis JT 71 e 72)

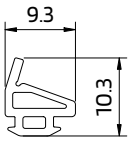
Material: EPDM | Acabamento: Preto

**208348** JUNTA TAPA CANAL 2116 JT
**208479** JUNTA TAPA CANAL 2117 JT




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

**208435** JUNTA VD 2415 PRT



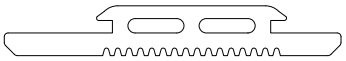

Para o perfil JT 80
Rolo: 100 m
Material: EPDM | Acabamento: Preto

**208257** JUNTA DE ESTANQUICIDADE 2135 JT



Para os perfis JT 73 e JT 74
Material: EPDM 2 durezas:
Zona batente - EPDM esponjoso
Base - EPDM 70º shore
Caixa: 000m

**208022** JUNTA VD 2131



Caixa: 50m
Material: EPDM | Acabamento: Preto

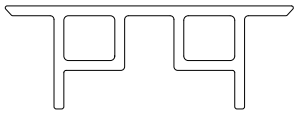
**208915** JUNTA REMATE PAREDE VD 2205

## Acessórios para o aro fixo
Fixed frame accessories | Accessoires pour cadre dormant



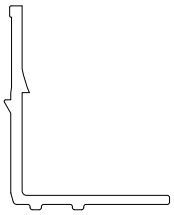
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215305** PERFIL PVC U JT



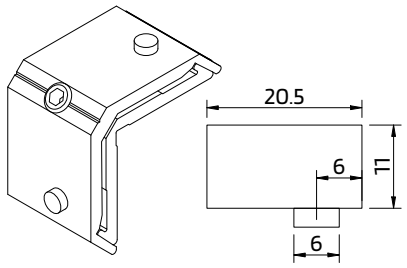
**Perfil opcional para melhoramento térmico**
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215303** PERFIL PVC T JT



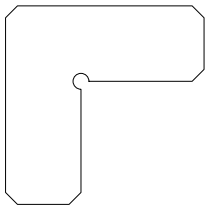
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215311** PERFIL PVC L MONORAIL JT



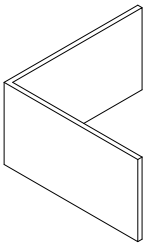

Para os perfis JT 12, 13, 14, 15, 16, 25, 33, 34 e 47

**204153** ESQUADRO JT 11x20.5



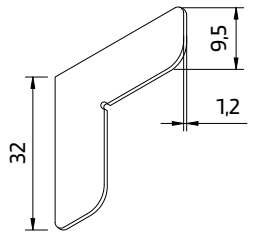
Para os perfis JT 02, 03, 04, 12, 13, 14, 33 e 34

**213246** CANTO CR S/SB



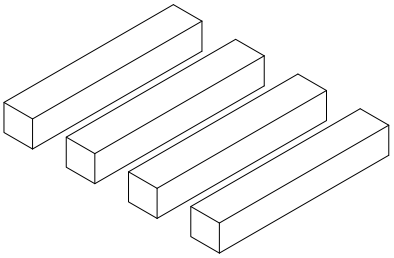
Para tipologias de canto 90º
com os perfis JT 02, 03, 04, 12, 13, 14, 33 e 34

**204389** ESQUADRO INOX CANTO 90º



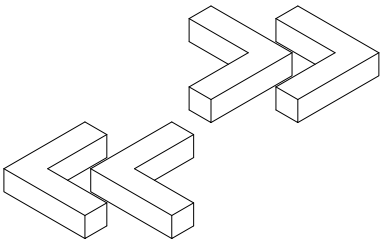

Para o perfil JT 80

**213017** CANTO ALINHAMENTO OS



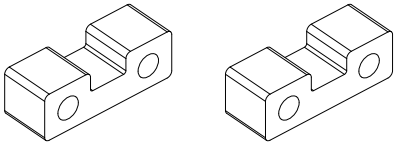
Para emendas de perfis aro fixo FR, PT e tipologias fixas
Material: ABS | Acabamento: Preto

**212242** CONJ. UNIÃO RETA JT



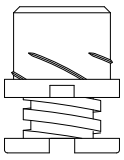
Para ligação 90º dos perfis aro fixo FR e PT
Material: ABS | Acabamento: Preto

**212243** CONJ. UNIÃO CANTO 90º JT



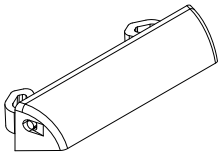
Material: Aluminio | Acabamento: Bruto

**212443** CONJ. UNIÃO CANTO 90° JT Nº2



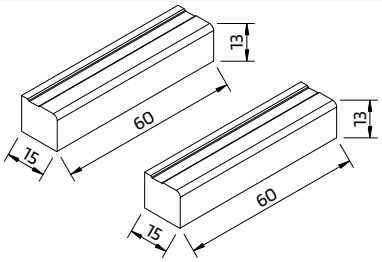
**224200** NIVELADOR PEQUENO 38-17

## Acessórios de estanqueidade
Watertightness accessories | Accessoires d'étanchéité



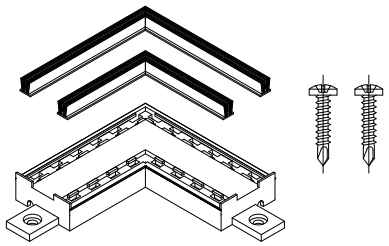
Acabamentos: Branco e Preto

**210268** GOTEIRA C/ VÁLV. SVE



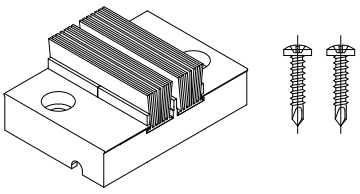

Para perfis aro fixo FR, PT e tipologias fixas, em baixo
Material: EPDM | Acabamento: Preto

**212337** CONJ. ESTANQUEIDADE CORTA-VENTO JT



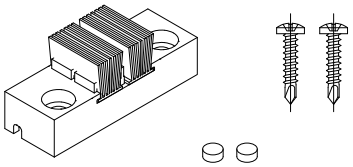
Para os perfis aro fixo FR e PT em canto 90º

**213287** CORTA-VENTO CANTO 90º JT



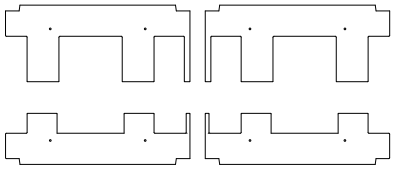
Para os perfis aro fixo FR e PT com as linhas JT e JT-Slim em tipologias com centrais JT 55 e JT 56
Material: ABS | Acabamento: Preto

**213402** CORTA VENTO JT-SLIM



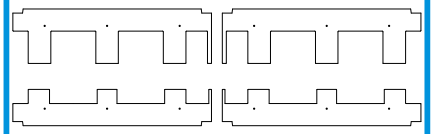
Para o perfil JT 55
Material: - | Acabamento: Preto

**213418** CORTA-VENTO MONORAIL JT- SLIM



Para os perfis JT 12 e 22

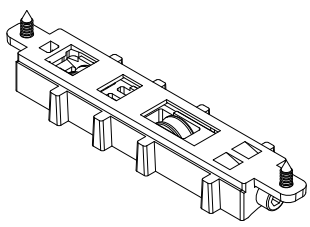
**223105** KIT JUNTAS ADESIVAS Nº1 JT



Para os perfis JT 13 e 23

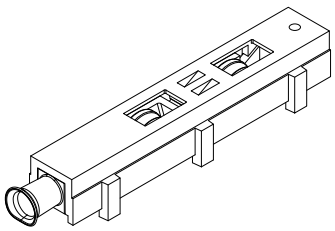
**223106** KIT JUNTAS ADESIVAS Nº2 JT

## Carrinhos
Rollers | Rouleaux



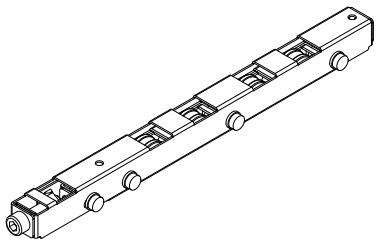
Aplicar em folhas até 120 Kg
Acabamento: Preto

**205000** CARRINHO JT-SLIM



Aplicar em folhas até 180Kg
Acabamento: Preto

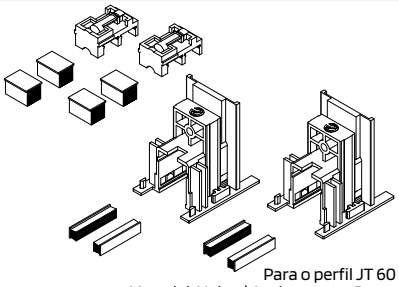
**205111** CARRINHO JT-SLIM 180KG



Aplicar em folhas até 290Kg

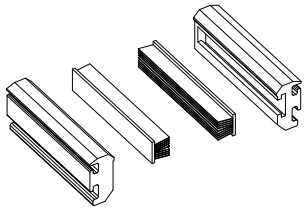
**205202** CARRINHO JT-SLIM HEAVY DUTY

## Acessórios para perfis laterais
Lateral profiles accessories | Accessoires pour profilés latéraux



Para o perfil JT 60
Material: Nylon | Acabamento: Preto

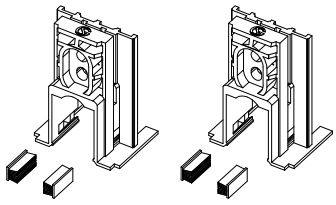
**212131** CONJ. TOPOS LATERAL JT-SLIM



Para os perfis JE 17, JE 57, JT 63 e JT 69
Material: Nylon 6 | Acabamento: Preto

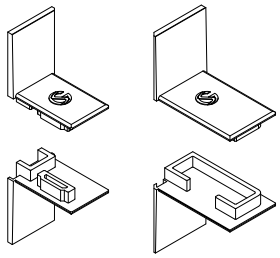
**212422** CONJ. GUIAS SUPERIORES JT

## Acessórios para perfis centrais
Central profiles accessories | Accessoires pour profilés centraux



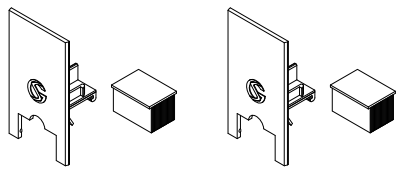
Para os perfis JT 73 e JT 74
Material: Poliamida | Acabamento: Preto

**212407** CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM



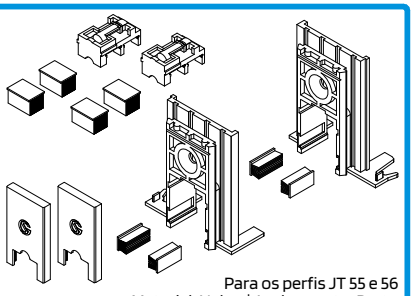
Para os perfis JT 73 e JT 74
Material: Poliamida | Acabamento: Preto

**212408** CONJ. TAMPAS LIG. 2F JT73/JT74 JT-JT SLIM



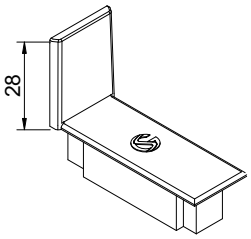
Para os perfis JT 51, 52, 53 e 54
Material: Poliamida | Acabamento: Preto

**212339** CONJ. TAMPAS TOPOS CENTRAIS JT Nº1



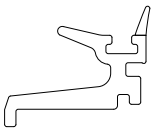
Para os perfis JT 55 e 56
Material: Nylon | Acabamento: Preto

**212133** CONJ. TOPOS CENTRAL JT-SLIM



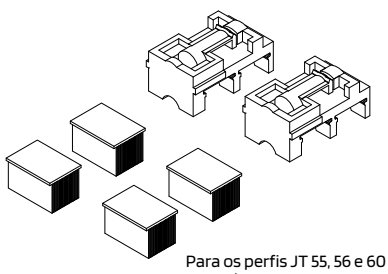

Para o perfil JT 56
Material: Poliamida | Acabamento: Preto

**210231** TOPO CENTRAL REFORÇADO JT56 28MM



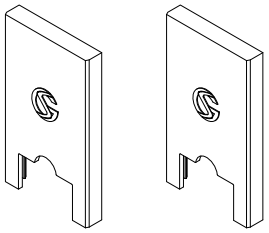
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**208351** JUNTA CENTRAL 2197 JT-SLIM



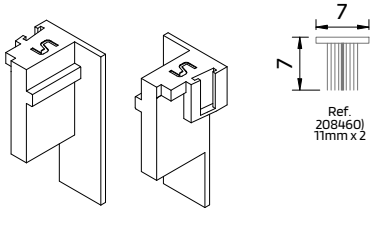
Para os perfis JT 55, 56 e 60
Material: Nylon | Acabamento: Preto

**212252** CONJ. TOPOS INTERIORES LAT./CENTR. JT-SLIM



Para os perfis JT 55 e 56
Material: Poliamida | Acabamento: Preto

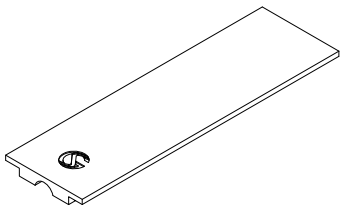
**212335** CONJ. TAMPAS TOPOS CENTRAIS JT-SLIM




Para os perfis JT 57 e JT 58
**Pelúcia preta Stop-Fin, não incluída**
Material: Poliamida| Acabamento: Preto

**212441** CONJ. TOPOS INF./ SUP. JT

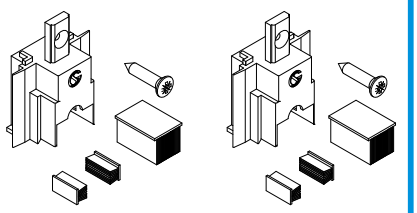
## Acessórios para vidro
Glass accessories | Accessoires pour verre



Material: Poliamida | Acabamento: Preto

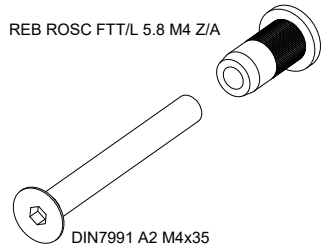
**218147** CALÇO REFORÇO HORIZ. JT-SLIM

## Acessórios para ligação central e canto 90º
Central and 90º corner connection accessories | Accessoires pour le raccordement central et d'angle 90º



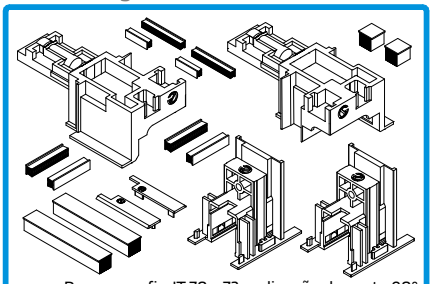
Para o perfil JT 71, na ligação de 2 folhas JT e JT-Slim
Material: Poliamida | Acabamento: Preto

**212295** CONJUNTO TOPOS LIGAÇÃO 2 FOLHAS JT-JT SLIM



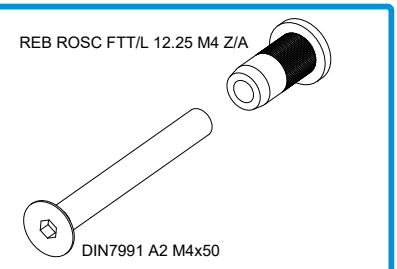

Para aplicação do JT 71 nos perfis móveis JT trad./SLim
Para aplicação dos JT 72 nos perfis móveis JT-SLim

**212017** CONJUNTO FIXAÇÃO FERRAGEM MULT.



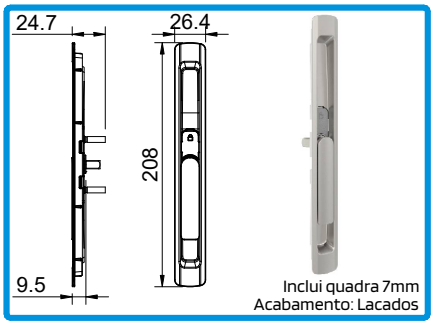
Para os perfis JT 70 e 72, na ligação de canto 90º
Acabamento: Preto

**212151** CONJ. TOPOS CANTO 90º JT-SLIM



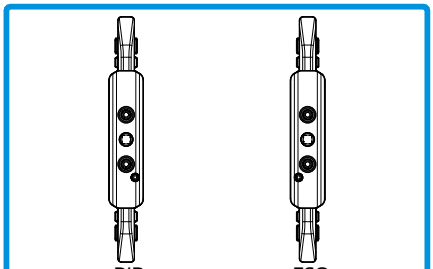

Para aplicação do JT 72 nos perfis móveis tradicionais

**212079** CONJ. FIXAÇÃO FERRAGEM MULTIPONTO JT72



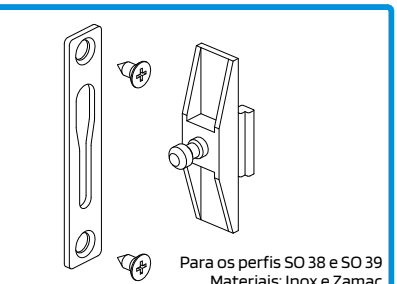

Inclui quadra 7mm
Acabamento: Lacados

**201083** FECHO DE EMBUTIR 180º



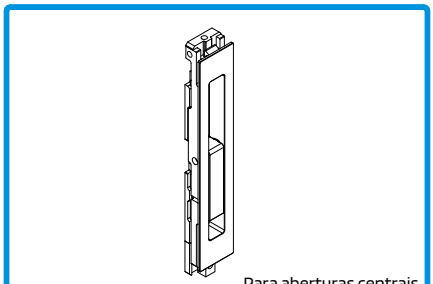

Inclui 2 tapa-furos pretos

**203006** CAIXA TRANSMISSÃO 180º CE DIR
**203007** CAIXA TRANSMISSÃO 180º CE ESQ



Para os perfis SO 38 e SO 39
Materiais: Inox e Zamac
Acabamentos: Prata (Gache) e Preto (Contra-fecho)

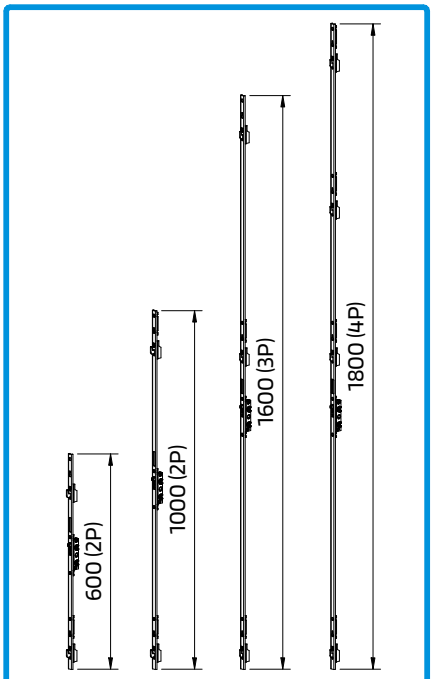
**212000** CONJ. FECHO SO38/SO39



Para aberturas centrais
Material: Alumínio | Acabamentos: Anod. e Lacados

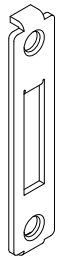
**201097** FECHO DE EMBUTIR OS MONODIR.

## Acessórios para Ferragens 1 Ponto e Multiponto - Linha ALU
1 Point and Multipoint hardware accessories - ALU line | Accessoires pour Serrures 1 Point et Multipoint - Ligne ALU



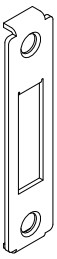

Material: Inox | Acabamento: Inox

**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)



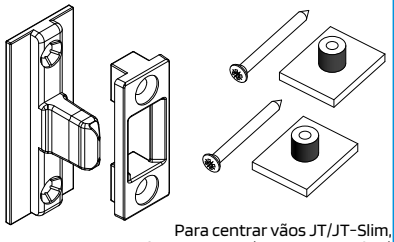
Para perfis aro fixo
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202330** CONTRA-FECHO ALU



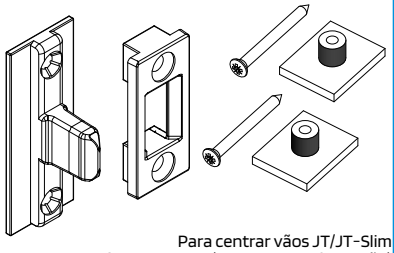
Para perfis JT 71 e JT72
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202331** CONTRA-FECHO Nº2 2F/90º ALU



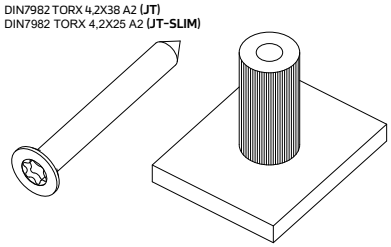
Para centrar vãos JT/JT-Slim,
com ferragem ALU (aplicar no aro fixo)
Não inclui fixação para o contra-fecho (ref. 212455 - 2un.)

**212289** CONJ. CENTRADOR P/ FERR. ALU



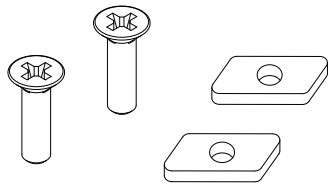
Para centrar vãos JT/JT-Slim
com ferragem ALU (aplicar no perfil ligação)
Não inclui fixação para o contra-fecho (ref. 212458 - 2un.)

**212291** CONJ. CENTRADOR P/ FERR. ALU PERFIL LIG.



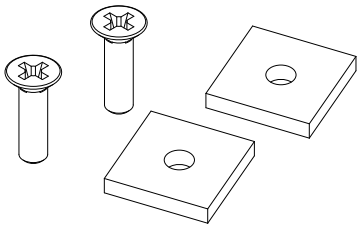

Para fixação das ferragens multiponto

**212371** CONJ. FIXAÇÃO JT
**212373** CONJ. FIXAÇÃO JT-SLIM



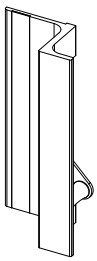
Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox e Preto

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



Acabamentos: Prata
Para fixação dos contra-fechos
ALU e AL nos perfis JT71 e JT72

**212458** CONJ. FIX. CONTRA-FECHO 2F/90º JT



Material: Aluminio | Acabamento: Vários

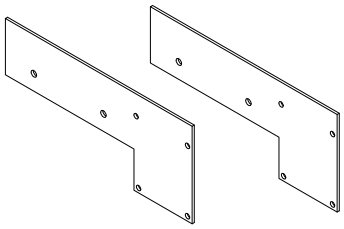
**200785** PUXADOR SLIM PRO



Aplicar com contra-fecho AL nos perfis JT71 e JT72
Material: Poliamida | Acabamento: Preto

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

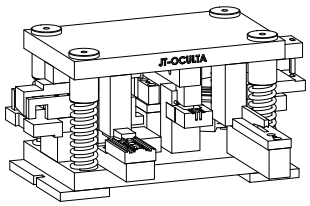
## Acessórios para Soleiras/Caleiras
Drainage Channel/Gutter acessories | Acessoires pour gouttière de vidange/sol



Aplicar nos perfis JT 14, JT 48 e JT 49
Material: Alumínio (2mm espessura)
Acabamentos: Bruto, Anodizados Natural e Preto

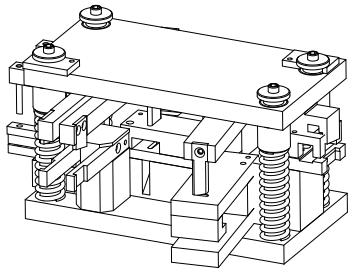
**212436** CONJ. TOPOS CALEIRA/SOLEIRA JT 2-RAIL

## Ferramentas
Tools | Outils



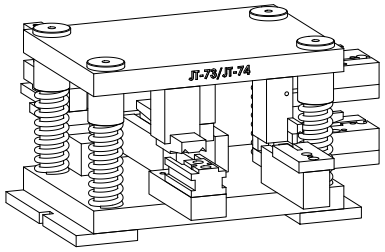

Para a linha Oculta, monorail e galandage PT

**408075** CORTANTE JT-OCULTA



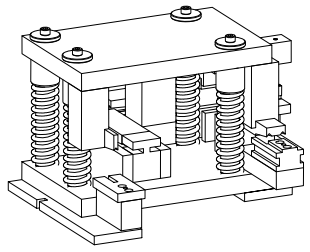
Para os perfis JT 12, 13, 14, 15, 25, 33 e 34

**408062** CORTANTE JT - AROS PT



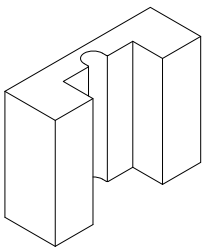

Para os perfis JT 73 e JT 74

**408068** CORTANTE JT - LIGAÇÃO 2 FOLHAS



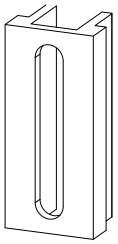
Para a linha Slim

**408064** CORTANTE JT-SLIM - FOLHA



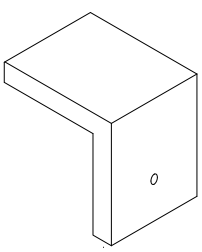
Para afinação da folga das folhas móveis
Material: ABS | Acabamento: Preto

**211006** GABARITO AFINAÇÃO FOLHAS JT



Para posicionamento das Ferragens Multiponto ALU, SOS e SOT, nos sistemas JT e JT-Slim
Material: ABS | Acabamento: Preto

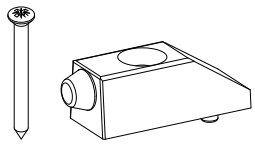
**211007** GABARITO POSICION. MULTIP. JT



Para furação para paraf. 290472
Material: Inox | Acabamento:Inox

**211209** GABARITO FURAÇÃO CALEIRA JT Nº1

## Diversos
Various | Divers



Acabamentos: Lacados

**228107** LIMITADOR ABERTURA PQ SERIE CORRER




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

**208704** PRODUTO LIMPEZA DE ALUMÍNIO (1L) Transparente



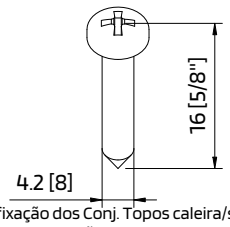
Resistente a raios UV
Rolo: 2m
Acabamento: Branco
Material: Junta Adesiva Composta

**299112** MEMBRANA SELAGEM 50MM (2M)



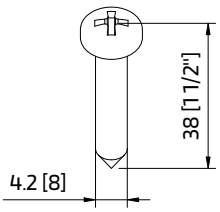
Junta de vedação elástica, resistente aos UV. Impede a corrosão de penetrar pelas zonas cortadas

**208019** SELA JUNTAS 150gr. (Cinza)



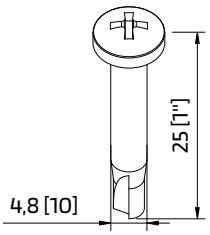

Para fixação dos Conj. Topos caleira/soleira OS-D
Para fix. da Peça Fixação de Caleira aos aros de soleira
Material: Inox | Acabamento: Inox

**290088** PARAF. DIN7981 PH 4,2x16 INOX A2



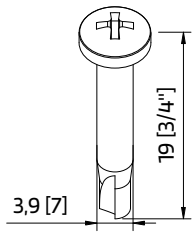

Para fixar os perfis soleira nos perfis aro fixo estreitos
Para fixar o montante JT 94 nos aros fixos JT 15 e JT 16
Material: Inox | Acabamento: Inox

**290030** PARAF. DIN7981 4,2x38 INOX A2



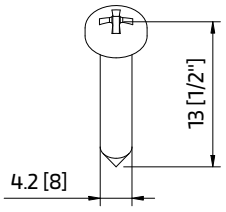

Para fixação do braço do motor ao perfil móvel inferior
Material: Inox | Acabamento: Inox

**290130** PARAF. AT/PF DIN7504-N 4,8x25 A2



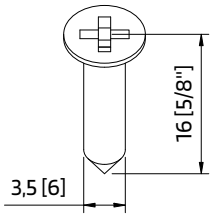

Para os perfis JT83 e JT 93
Material: Inox | Acabamento: Inox

**290472** PARAF. AT/PF CQ Ø3.9x19MM A2



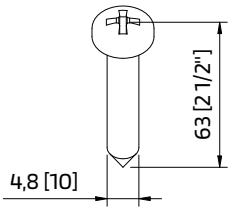

Para fixação do perfil SO 89

**290111** PARAFUSO CQ 4,2x13 INOX A2



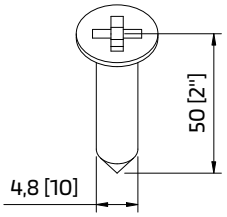

Para fixar os perfis JT78 e JT79
Material: Inox | Acabamento: Inox

**290052** PARAF. DIN7982 PH 3,5x16 INOX A2



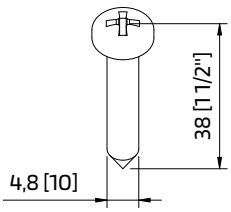

Para fixar os perfis laterais às travessas JT69
Material: Inox | Acabamento: Inox

**290087** PARAF. DIN7981 PH 4,8x63 INOX A2




Para fixação dos perfis dos perfis centrais JT-Slim
Material: Inox | Acabamento: Inox

**290091** PARAFUSO DIN7982 PH 4,8x50 A2



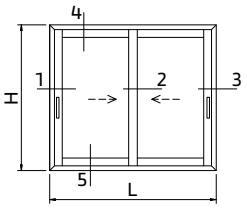

Para fixar: perfis laterais e centrais às travessas JT 63, perfis JT 18 aos perfis JT12 e 22, os perfis SO47 e 48
Material: Inox | Acabamento: Inox

**290262** PARAF. PAR 003 PK INOX PH 1 1/2x10 CQ

# IV

TIPOLOGIAS E MAPA DE QUANTIDADES
TYPOLOGIES AND QUANTITY MAPS
TYPOLOGIES ET CARTES DE QUANTITÉS

## JANELA / PORTA DE CORRER 2 FOLHAS 2RAIL - LINHA OCULTA
2 SASHES SLIDING WINDOW / DOOR 2RAIL - HIDDEN LINE
FENÊTRE / PORTE-FENÊTRE COULISSANT 2 VANTAUX 2RAIL - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | CORTE HORIZ. HORIZONTAL CUT COUPE HORIZ. | CORTE VERT. VERTICAL CUT COUPE VERTICALE | QUANT. QUANTITY QUANTITÉ | CORTE CUT COUPE |
|---|---|---|---|---|---|
| JT 07 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 2 | |
| JT 14 | PADIEIRA / SOLEIRA<br>LINTEL / SILL \| LINTEAU / SEUIL | L-39 | - | 2 | |
| -------- | $L_{uz}$ \| $L_{open}$ \| $L_{ouverture}$ | L-160 | - | - | - |
| JT 75 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 78 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 56 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 2 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 2 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L-126)/2 | - | 4 | |
| JT 77 | CAPA<br>COVER \| CAPOT | - | H-38 | 2 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-112 | - | 2 | |
| 215301 | PERFIL POLIAMIDA JE 96<br>POLYAMIDE PROFILE \| PROFILÉ DE POLYAMIDE | - | H | 2 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74 | 2 | |
| 215305 | PERFIL PVC U<br>U PVC PROFILE \| PROFILÉ PVC U | L-39 | - | 2 | |
| 215303 | PERFIL PVC T<br>T PVC PROFILE \| PROFILÉ PVC T | (L-92)/2 | - | 2 | |
| JT 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| SO 58 | TAMPA DE CALEIRA \| DRAINAGE CHANNEL GRID \| GRILLE POUR GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | (1) | | | |
| **ALTERNATIVA \| ALTERNATIVE \| ALTERNATIVE** | | | | | |
| JM 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### VEDANTES | SEALS | JOINTS

| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | QUANT. QUANTITY QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 2L + 2H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 4H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 6H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 2H |
| 208466 | PELUCIA 7X12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 2H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 2L |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M) \| MEMBRANE D'ÉTANCHÉITÉ DE 50MM (2M) | 1L |

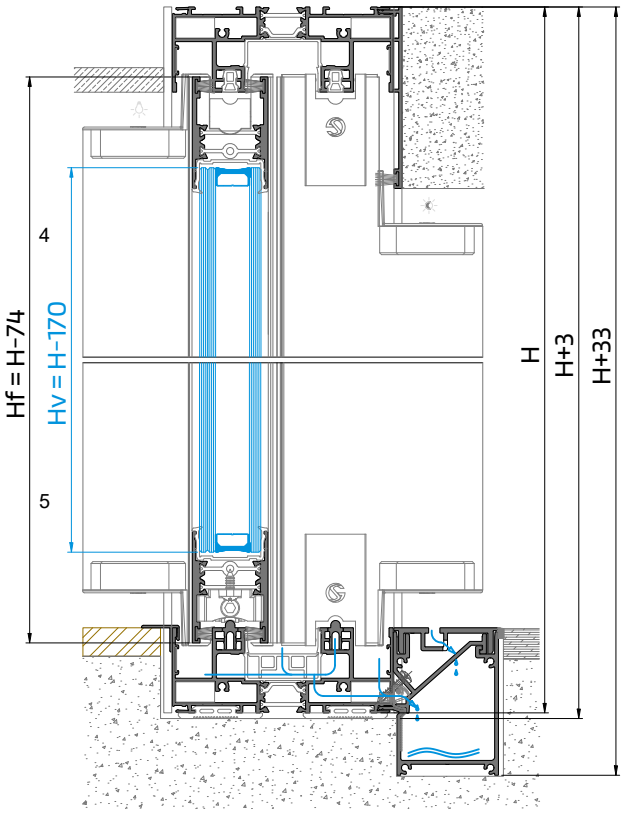
### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

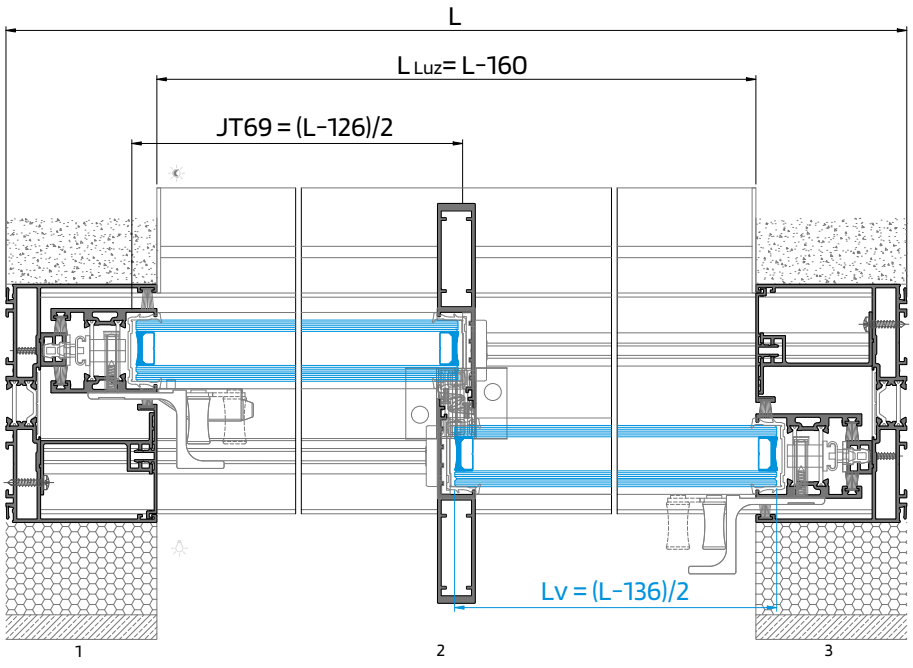
| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | | QUANT. QUANTITY QUANTITÉ |
|---|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | | 4 |
| 213402 | CORTA-VENTO JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 2 |
| 223105 | KIT JUNTAS ADESIVAS Nº1 JT<br>JT Nº1 ADHESIVE JOINTS KIT \| KIT DE JOINTS ADHÉSIFS Nº1 JT | | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | | 1 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | | 2 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 2 |
| 210231 | TOPO CENTRAL REFORÇADO JT56 28MM<br>28MM CENTRAL REINFORCED END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX RENFORCÉ 28MM | | 4 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL<br>END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | | 1 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | | (a) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | | 2 |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | | 2 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | | 4 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | | 4 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | | 2 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | | 12 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | | min. 2** |
| 228107 | LIMITADOR ABERT. PQ SERIE CORRER<br>OPENING LIMITER \| LIMITEUR D'OUVERTURE | | 1 |
| 290052 | PARAF DIN7982 PH 3,5x16 A2<br>SCREW \| IVS | Fixação JT 78 e JT 79 | 1 + 4 un./m |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| IVS | Fixação JT 56 e JT 69 | 4 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| IVS | Fixação JT 60 e JT 69 | 4 |
| 290030 | PARAFUSO DIN7981 4,2x38 INOX A2<br>SCREW \| IVS | Fixação JT 07 e JT 14 | 8 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| IVS | Fixaçao topos caleira 212436 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| IVS | Fixaçao JT 49 ao JT 14<br>Fixação JT 75 a JT 07 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | | 4 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

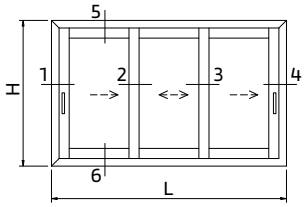
** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

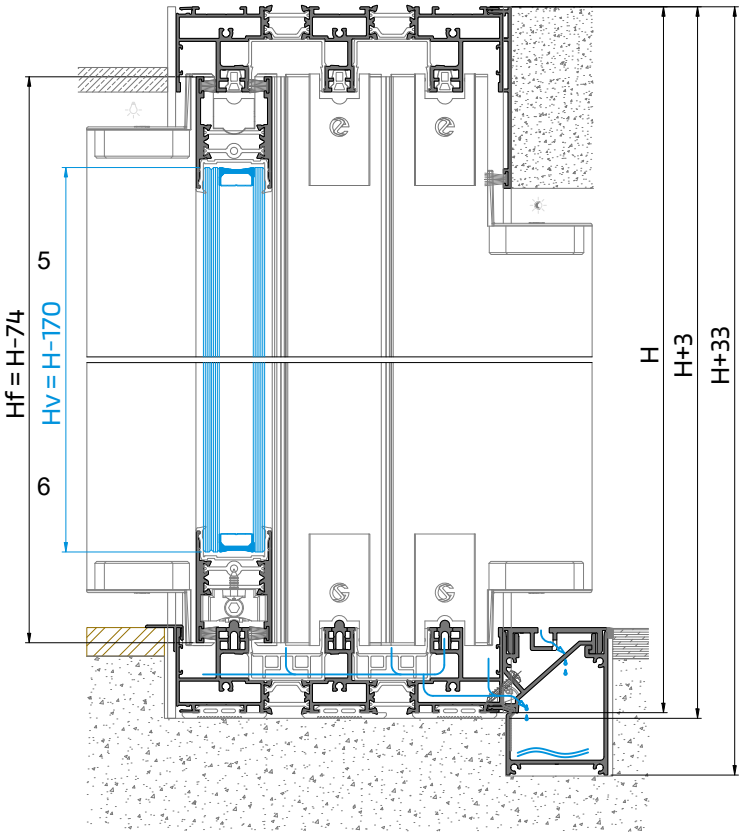
(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

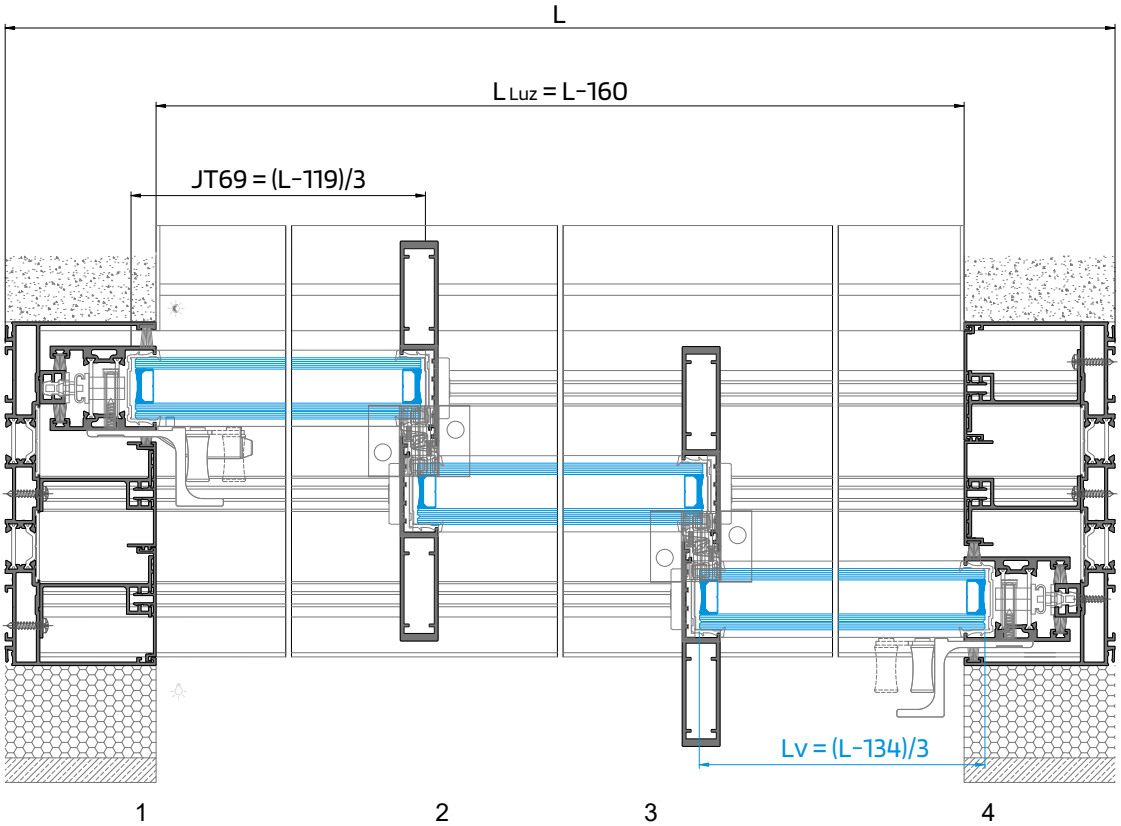


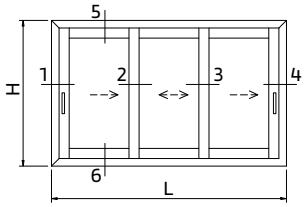
JANELA / PORTA DE CORRER 3 FOLHAS 3RAIL - LINHA OCULTA
3 SASHES SLIDING WINDOW / DOOR 3RAIL - HIDDEN LINE
FENÊTRE / PORTE-FENÊTRE COULISSANT 3 VANTAUX 3RAIL - LIGNE CACHÉE



## JANELA / PORTA DE CORRER 3 FOLHAS 3RAIL - LINHA OCULTA
3 SASHES SLIDING WINDOW / DOOR 3RAIL - HIDDEN LINE
FENÊTRE / PORTE-FENÊTRE COULISSANT 3 VANTAUX 3RAIL - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | CORTE HORIZ.<br>HORIZONTAL CUT<br>COUPE HORIZ. | CORTE VERT.<br>VERTICAL CUT<br>COUPE VERTICALE | QUANT.<br>QUANTITY<br>QUANTITÉ | CORTE<br>CUT<br>COUPE |
|---|---|---|---|---|---|
| JT 08 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 2 | |
| JT 24 | PADIEIRA / SOLEIRA<br>LINTEL / SILL \| LINTEAU / SEUIL | L-39 | - | 2 | |
| -------- | $L_{luz}$ \| $L_{open}$ \| $L_{ouverture}$ | L-160 | - | - | - |
| JT 75 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 76 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 78 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 56 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 4 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 2 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L-119)/3 | - | 6 | |
| JT 77 | CAPA<br>COVER \| CAPOT | - | H-38 | 2 | |
| JT 91 | CAPA<br>COVER \| CAPOT | - | H-51 | 2 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-112<br>L-161 | - | 2<br>1 | |
| 215301 | PERFIL POLIAMIDA JE 96<br>POLYAMIDE PROFILE \| PROFILÉ DE POLYAMIDE | - | H | 4 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74 | 4 | |
| 215305 | PERFIL PVC U<br>U PVC PROFILE \| PROFILÉ PVC U | L-39 | - | 4 | |
| 215303 | PERFIL PVC T<br>T PVC PROFILE \| PROFILÉ PVC T | (L-69)/3<br>(2L-209)/3 | - | 1<br>1 | |
| JT 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| SO 58 | TAMPA DE CALEIRA \| DRAINAGE CHANNEL GRID \| GRILLE POUR GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | (1) | | | |
| **ALTERNATIVA \| ALTERNATIVE \| ALTERNATIVE** | | | | | |
| JM 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | | 6 |
| 213402 | CORTA-VENTO JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 4 |
| 223106 | KIT JUNTAS ADESIVAS Nº2 JT<br>JT Nº1 ADHESIVE JOINTS KIT \| KIT DE JOINTS ADHÉSIFS Nº1 JT | | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | | 2 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | | 2 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 4 |
| 210231 | TOPO CENTRAL REFORÇADO JT56 28MM<br>28MM CENTRAL REINFORCED END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX RENFORCÉ 28MM | | 8 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL<br>END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | | 1 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | | (a) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | | 2 |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | | 2 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | | 4 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | | 4 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | | 2 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | | 12 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | | min. 3 ** |
| 228107 | LIMITADOR ABERT. PQ SERIE CORRER<br>OPENING LIMITER \| LIMITEUR D'OUVERTURE | | 1 |
| 290130 | PARAFUSO AT/PF DIN7504-N 4,8x25 A2<br>SCREW \| VIS | Fixação JT 75, JT 76 a JT 08 | 1+4 un./m |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| VIS | Fixação JT 56 e JT 69 | 8 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| VIS | Fixação JT 60 e JT 69 | 4 |
| 290030 | PARAFUSO DIN7981 4,2x38 INOX A2<br>SCREW \| VIS | Fixação JT 08 e JT 24 | 12 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| VIS | Fixaçao topos caleira 212436 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| VIS | Fixaçao JT 49 ao JT 24<br>Fixação JT 75, JT 76 a JT 08 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | | 6 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

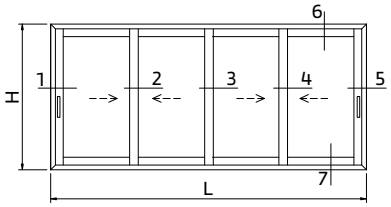
** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

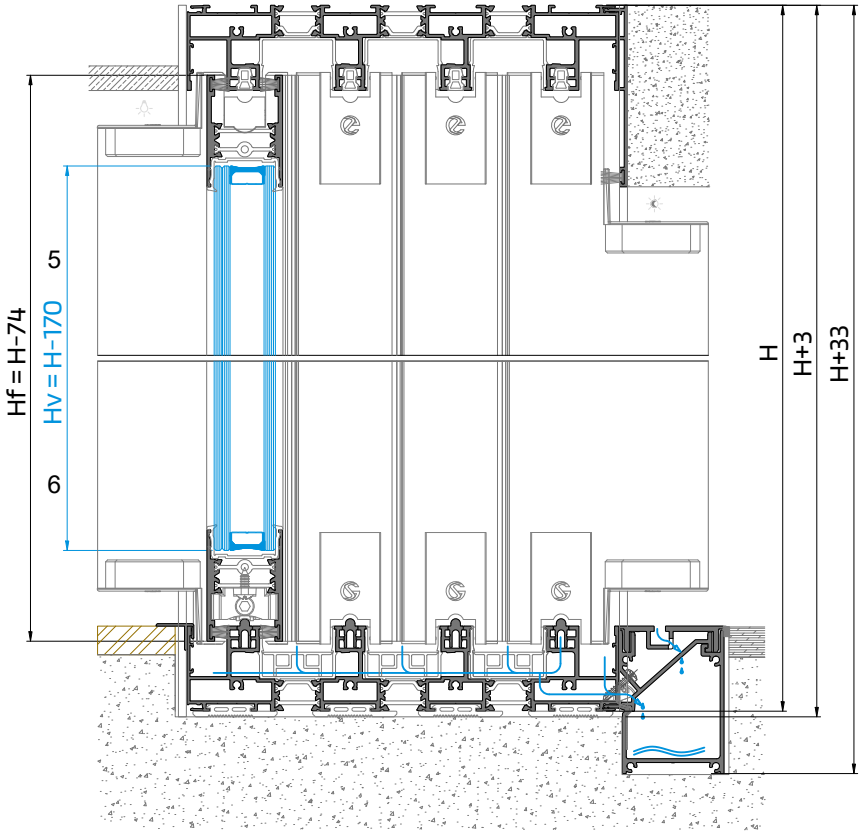
(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

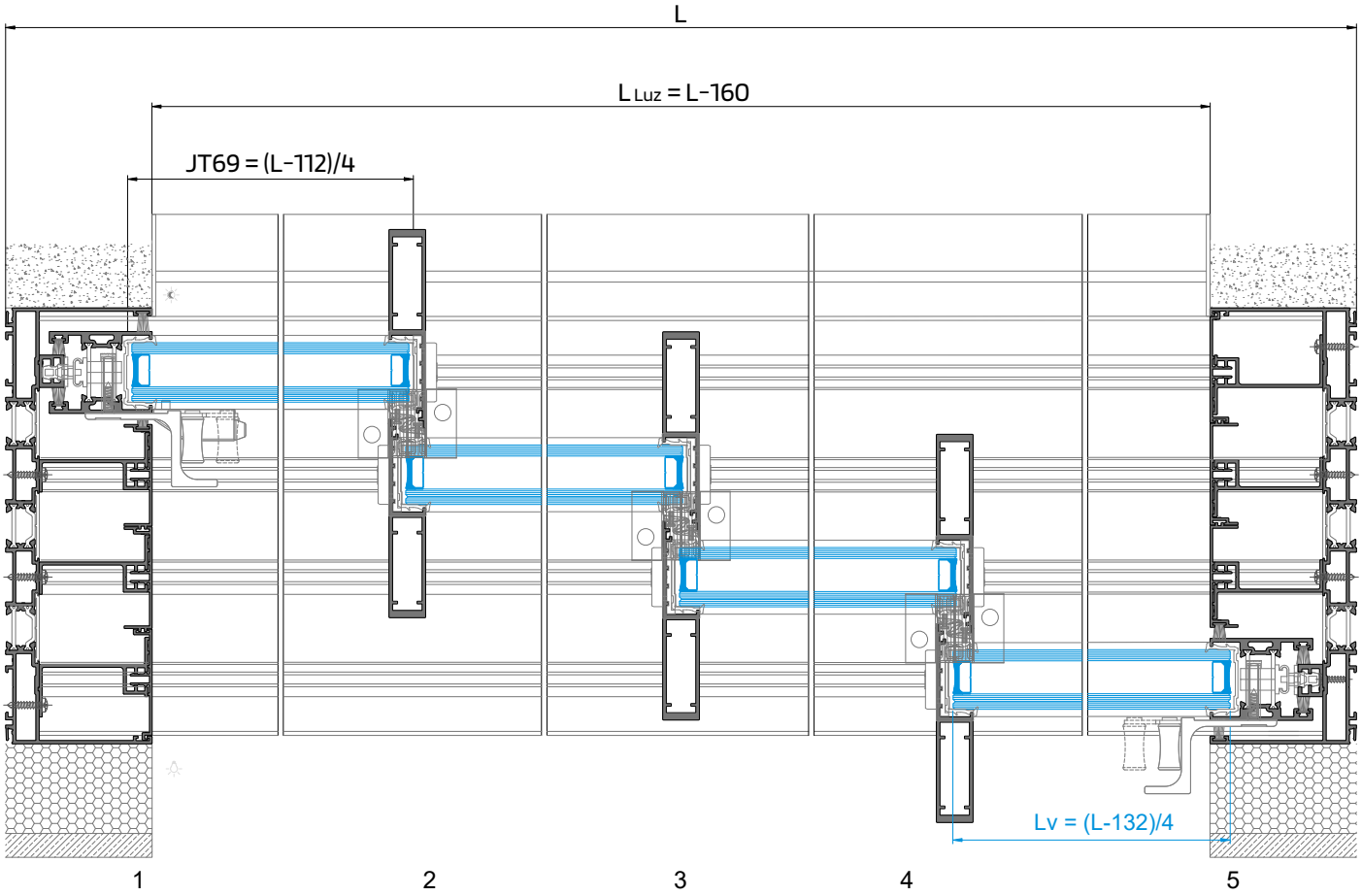
### VEDANTES | SEALS | JOINTS

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 3L + 2H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 6H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 6H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 4H |
| 208466 | PELUCIA 7x12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 2H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 3L |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M)\| MEMBRANE D'ÉTANCHÉITÉ DE 50MM (2M) | 1L |

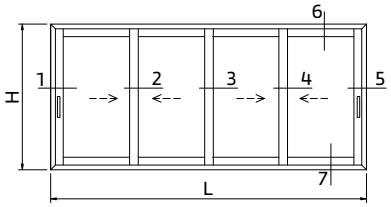
JANELA / PORTA DE CORRER 4 FOLHAS 4RAIL - LINHA OCULTA
4 SASHES SLIDING WINDOW / DOOR 4RAIL - HIDDEN LINE
FENÊTRE / PORTE-FENÊTRE COULISSANT 4 VANTAUX 4RAIL - LIGNE CACHÉE



## JANELA / PORTA DE CORRER 4 FOLHAS 4RAIL - LINHA OCULTA
4 SASHES SLIDING WINDOW / DOOR 4RAIL - HIDDEN LINE
FENÊTRE / PORTE-FENÊTRE COULISSANT 4 VANTAUX 4RAIL - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | CORTE HORIZ.<br>HORIZONTAL CUT<br>COUPE HORIZ. | CORTE VERT.<br>VERTICAL CUT<br>COUPE VERTICALE | QUANT.<br>QUANTITY<br>QUANTITÉ | CORTE<br>CUT<br>COUPE |
|---|---|---|---|---|---|
| JT 09 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 2 | |
| JT 34 | PADIEIRA / SOLEIRA<br>LINTEL / SILL \| LINTEAU / SEUIL | L-39 | - | 2 | |
| -------- | $L_{luz}$ \| $L_{open}$ \| $L_{ouverture}$ | L-160 | - | - | - |
| JT 75 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 76 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 4 | |
| JT 78 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 56 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 6 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 2 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L-112)/4 | - | 8 | |
| JT 77 | CAPA<br>COVER \| CAPOT | - | H-38 | 2 | |
| JT 91 | CAPA<br>COVER \| CAPOT | - | H-51 | 4 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-112<br>L-161 | - | 2<br>2 | |
| 215301 | PERFIL POLIAMIDA JE 96<br>POLYAMIDE PROFILE \| PROFILÉ DE POLYAMIDE | - | H | 6 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74 | 6 | |
| 215305 | PERFIL PVC U<br>U PVC PROFILE \| PROFILÉ PVC U | L-39 | - | 6 | |
| 215303 | PERFIL PVC T<br>T PVC PROFILE \| PROFILÉ PVC T | (L-46)/4<br>(3L-325)/4<br>(L-93)/4 | - | 2<br>2<br>2 | |
| JT 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| SO 58 | TAMPA DE CALEIRA \| DRAINAGE CHANNEL GRID \| GRILLE POUR GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | | (1) | | |
| **ALTERNATIVA \| ALTERNATIVE \| ALTERNATIVE** | | | | | |
| JM 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | 8 |
| 213402 | CORTA-VENTO JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | 6 |
| 223106 | KIT JUNTAS ADESIVAS Nº2 JT<br>JT Nº1 ADHESIVE JOINTS KIT \| KIT DE JOINTS ADHÉSIFS Nº1 JT | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | 3 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | 2 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | 6 |
| 210231 | TOPO CENTRAL REFORÇADO JT56 28MM<br>28MM CENTRAL REINFORCED END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX RENFORCÉ 28MM | 12 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | 1 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | (a) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | 2 |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | 2 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | 4 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | 4 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | 2 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | 12 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | min. 4 ** |
| 228107 | LIMITADOR ABERT. PQ SERIE CORRER<br>OPENING LIMITER \| LIMITEUR D'OUVERTURE | 1 |
| 290052 | PARAF DIN7982 PH 3,5x16 A2<br>SCREW \| VIS — Fixação JT 78 e JT 79 | 1+4 un./m |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| VIS — Fixação JT 56 e JT 69 | 12 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| VIS — Fixação JT 60 e JT 69 | 4 |
| 290030 | PARAFUSO DIN7981 4,2x38 INOX A2<br>SCREW \| VIS — Fixação JT 09 e JT 24 | 16 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| VIS — Fixaçao topos caleira 212436 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| VIS — Fixaçao JT 49 ao JT 24<br>Fixação JT 75, JT 76 a JT 09 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | 8 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

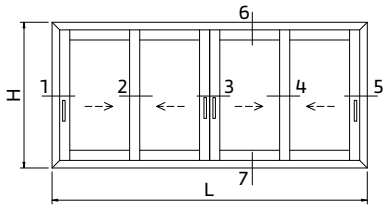
** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

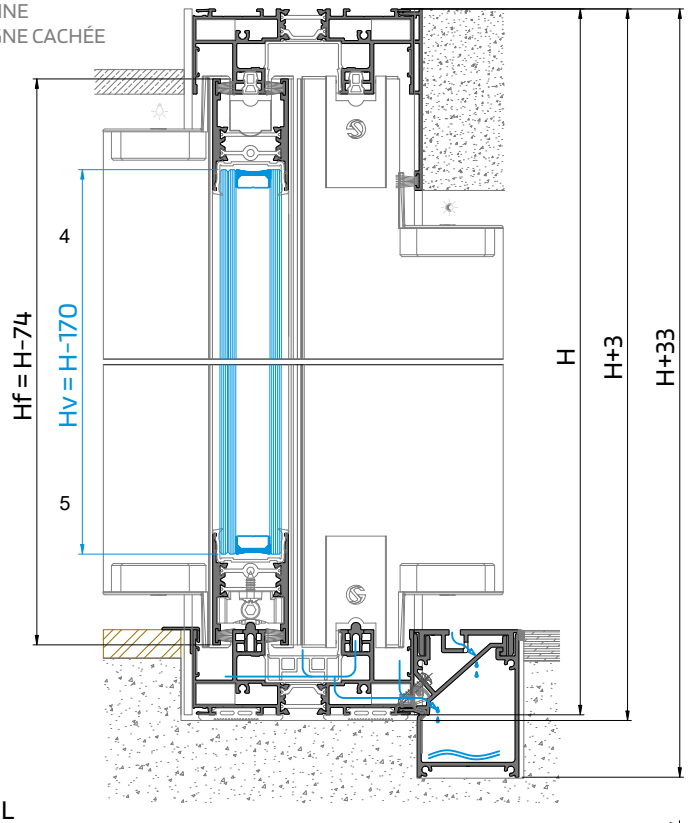
(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

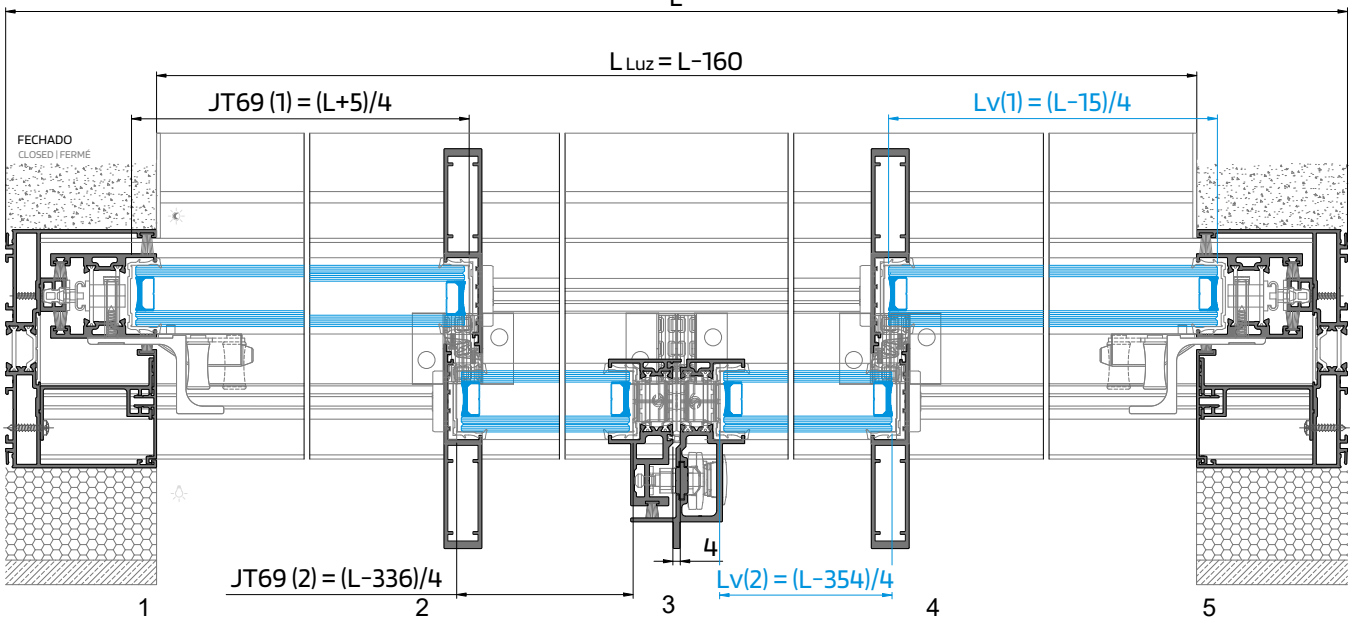
### VEDANTES | SEALS | JOINTS

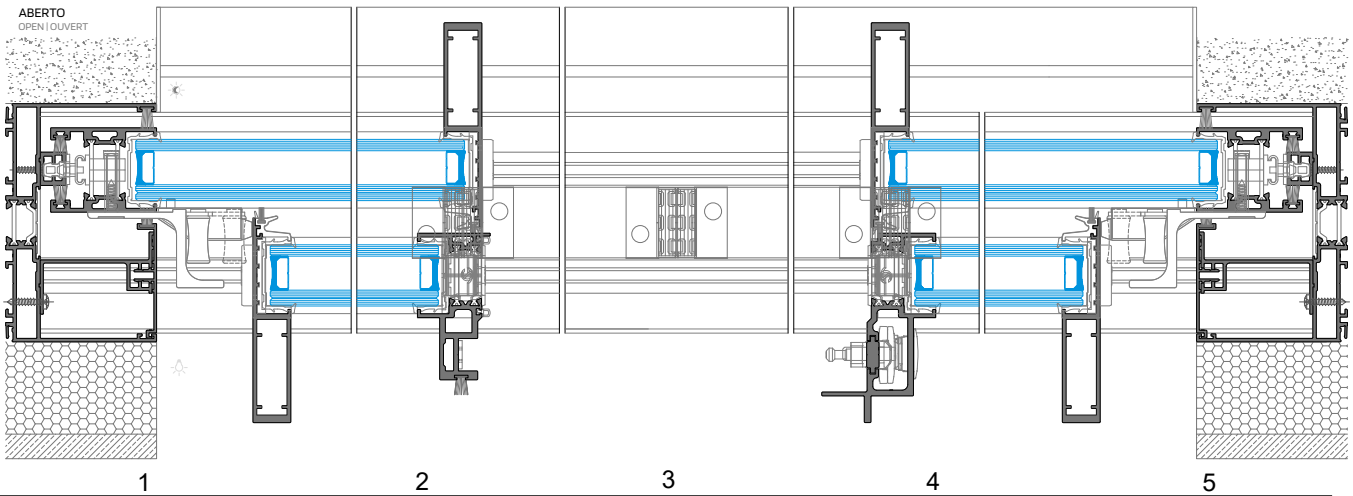
| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 4L + 2H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 8H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 6H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 6H |
| 208466 | PELUCIA 7x12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 2H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 4L |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M) \| MEMBRANE D´ÉTANCHÉITÉ DE 50MM (2M) | 1L |

## JANELA DE CORRER 4 FOLHAS 2-RAIL COM LIGAÇÃO CENTRAL - LINHA OCULTA
4 SASHES 2-RAIL SLIDING WINDOW WITH CENTRAL CONNECTION - HIDDEN LINE
FENÊTRE COULISSANT 4 VANTAUX 2-RAIL AVEC CONNEXION CENTRALE - LIGNE CACHÉE

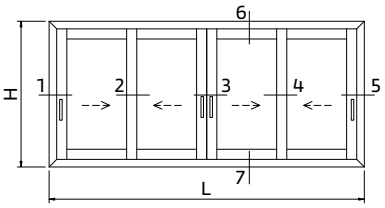


## JANELA DE CORRER 4 FOLHAS 2-RAIL COM LIGAÇÃO CENTRAL - LINHA OCULTA
4 SASHES 2-RAIL SLIDING WINDOW WITH CENTRAL CONNECTION - HIDDEN LINE
FENÊTRE COULISSANT 4 VANTAUX 2-RAIL AVEC CONNEXION CENTRALE - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | CORTE HORIZ.<br>HORIZONTAL CUT<br>COUPE HORIZ. | CORTE VERT.<br>VERTICAL CUT<br>COUPE VERTICALE | QUANT.<br>QUANTITY<br>QUANTITÉ | CORTE<br>CUT<br>COUPE |
|---|---|---|---|---|---|
| JT 07 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 2 | |
| JT 14 | PADIEIRA / SOLEIRA<br>LINTEL / SILL \| LINTEAU / SEUIL | L-39 | - | 2 | |
| -------- | $L_{luz}$ \| $L_{open}$ \| $L_{ouverture}$ | L-160 | - | - | - |
| JT 75 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 78 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 2 | |
| JT 56 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 4 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 2 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L+5)/4<br>(L-336)/4 | - | 4<br>4 | |
| JT 73 | PERFIL CENTRAL FECHO<br>PROFILE \| PROFILÉ | - | H-74 | 1 | |
| JT 74 | PERFIL CENTRAL CONTRA FECHO<br>PROFILE \| PROFILÉ | - | H-74 | 1 | |
| SO 33 | BARRA DE CREMONE DUPLA<br>DOUBLE CREMONE ROD \| TIGE CRÉM. DOUBLE | - | VARIÁVEL<br>VARIABLE \| VARIABLE | 4<br>ou (or \| ou)<br>5 | |
| JT 77 | CAPA<br>COVER \| CAPOT | - | H-38 | 2 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-161<br>L-64 | - | 1<br>1 | |
| 215301 | PERFIL POLIAMIDA JE 96<br>POLYAMIDE PROFILE \| PROFILÉ DE POLYAMIDE | - | H | 2 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74 | 4 | |
| 215305 | PERFIL PVC U<br>U PVC PROFILE \| PROFILÉ PVC U | L-39 | - | 2 | |
| 215303 | PERFIL PVC T<br>T PVC PROFILE \| PROFILÉ PVC T | (L+73)/4<br>(L-473)/4 | - | 2<br>2 | |
| JT 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| SO 58 | TAMPA DE CALEIRA \| DRAINAGE CHANNEL GRID \| GRILLE POUR GOUTTIÈRE DE VIDANGE | L-174 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | (1) | | | |
| **ALTERNATIVA \| ALTERNATIVE \| ALTERNATIVE** | | | | | |
| JM 81 | PERFIL COMPLEMENTAR *<br>Complementary profile \| Profilé complémentaire | L-161 | - | 1 | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | | 8 |
| 213402 | CORTA-VENTO JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 6 |
| 223105 | KIT JUNTAS ADESIVAS Nº1 JT<br>JT Nº1 ADHESIVE JOINTS KIT \| KIT DE JOINTS ADHÉSIFS Nº1 JT | | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | | 3 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | | 2 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 4 |
| 210231 | TOPO CENTRAL REFORÇADO JT56 28MM<br>28MM CENTRAL REINFORCED END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX RENFORCÉ 28MM | | 8 |
| 212407 | CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM<br>2 SASHES CONNECTING END-CAPS KIT \| KIT D'EMBOUTS CONNEXION 2 VENTAUX | | 2 |
| 212408 | CONJ. TAMPAS LIG. 2F JT73/JT74 JT-JT SLIM<br>2 SASHES CONNEC. END-CAPS COVERS KIT \| KIT DE COUVERT. POUR EMBOUTS CONNEX. 2 VENT. | | 1 |
| 212339 | CONJ. TAMPAS TOPOS CENTRAIS JT<br>CENTRAL END-CAP COVERS KIT \| KIT DE COUVERTURE POUR EMBOUTS CENTRAUX | | 2 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL<br>END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | | 1 |
| 201083 | FECHO EMBUTIR 180º \| LOCK \| SERRURE | | 1 |
| 203007 | CAIXA TRANSMISSÃO 180º CE ESQ \| GEAR BOX \| MÉCANISME | | 1 |
| 212000 | CONJ. FECHO SO38/SO39 \| LOCK SET \| KIT FERMETURE | | (b) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | | 2 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | | (a) |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | | 2 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | | 4 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | | 4 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | | 2 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | | 12 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | | min. 4** |
| 228107 | LIMITADOR ABERT. PQ SERIE CORRER<br>OPENING LIMITER \| LIMITEUR D'OUVERTURE | | 2 |
| 290052 | PARAF DIN7982 PH 3,5x16 A2<br>SCREW \| IVS | Fixação JT 78 a JT 07 | 1 + 4 un./m |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| IVS | Fixação JT 56, JT73, JT 74 e JT 69 | 8 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| IVS | Fixação JT 60, JT 73, JT 74 e JT 69 | 8 |
| 290030 | PARAFUSO DIN7981 4,2x38 INOX A2<br>SCREW \| IVS | Fixação JT 07 e JT 14 | 8 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| IVS | Fixaçao topos caleira 212436 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| IVS | Fixaçao JT 49 ao JT 14<br>Fixação JT 75 a JT 07 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | | 4 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

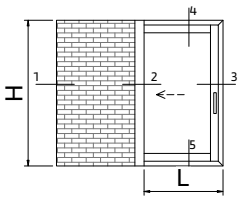
(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

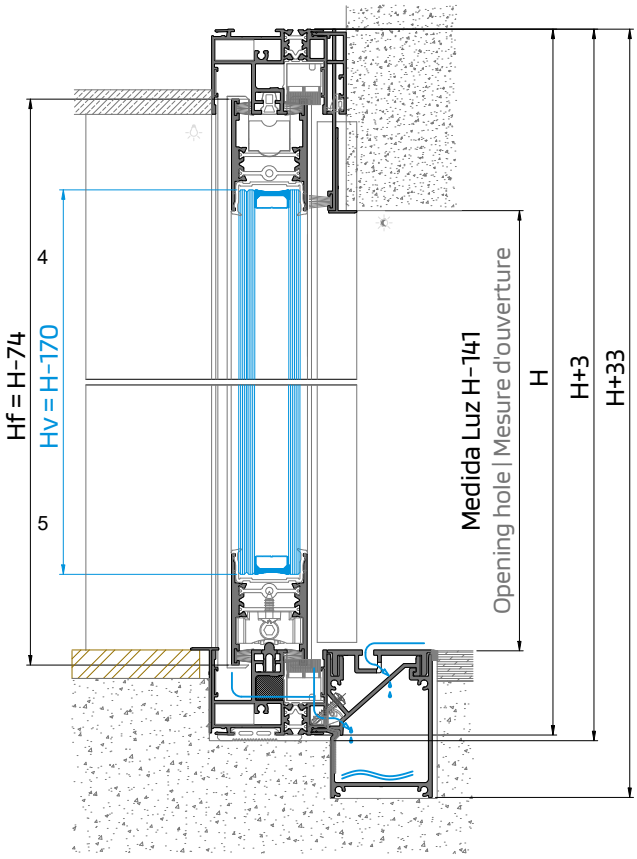
(b) 2 un./prumada para alturas até 3metros; 3 un./prumada para alturas superiores a 3 metro
2 units/union for heights up to 3 meters; 3 units/union for heights over 3 meters
2 unités./union pour les hauteurs jusqu'à 3 mètres; 3 unités/union pour les hauteurs supérieures à 3 mètres

### VEDANTES | SEALS | JOINTS

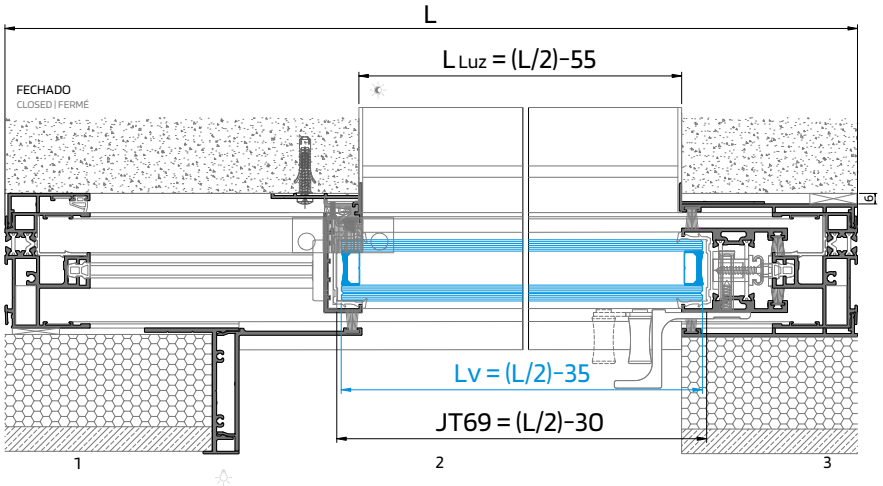
| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 2L + 2H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 8H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 7H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 4H |
| 208466 | PELUCIA 7x12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 2H |
| 208022 | JUNTA VD 2131<br>JOINT \| JOINT | 2H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 2L |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M)\| MEMBRANE D'ÉTANCHÉITÉ DE 50MM (2M) | 1L |

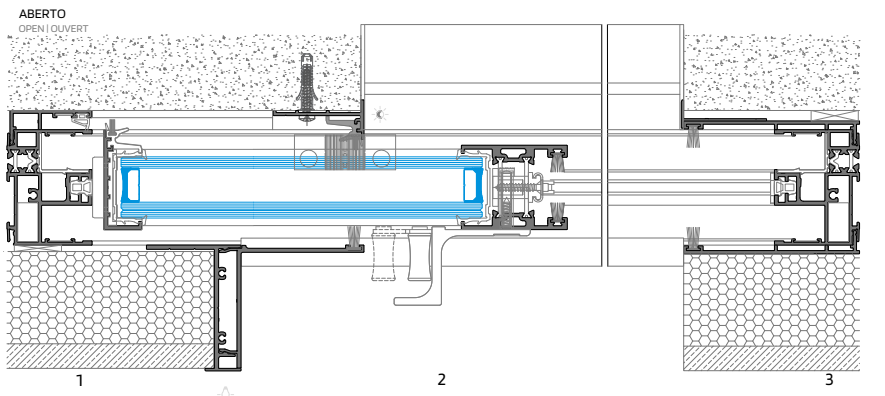
## JANELA DE CORRER 1 FOLHA DE EMBUTIR 1-RAIL - LINHA OCULTA
1 SASH POCKET 1-RAIL SLIDING WINDOW - HIDDEN LINE
FENÊTRE COULISSANT 1 VANTAIL À GALANDAGE 1-RAIL - LIGNE CACHÉE



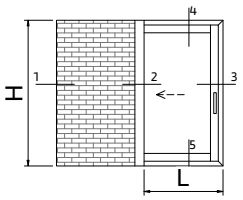




Obs.: Nesta tipologia a medida da folha é maior que a medida de abertura interior. Caso se queira substituir um vidro, a folha terá de ser montada e colocada no caixilho sem o perfil lateral.
Note: In this type, the leaf measurement is larger than the interior opening measurement. If you wish to replace a pane of glass, the leaf must be assembled and placed in the frame without the side profile.
Remarque: dans ce type de fenêtre, la dimension du vantail est supérieure à la dimension de l'ouverture intérieure. Si vous souhaitez remplacer une vitre, le vantail devra être monté et placé dans le cadre sans le profil latéral.



## JANELA DE CORRER 1 FOLHA DE EMBUTIR 1-RAIL - LINHA OCULTA
1 SASH POCKET 1-RAIL SLIDING WINDOW - HIDDEN LINE
FENÊTRE COULISSANT 1 VANTAIL À GALANDAGE 1-RAIL - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | CORTE HORIZ.<br>HORIZONTAL CUT<br>COUPE HORIZ. | CORTE VERT.<br>VERTICAL CUT<br>COUPE VERTICALE | QUANT.<br>QUANTITY<br>QUANTITÉ | CORTE<br>CUT<br>COUPE |
|---|---|---|---|---|---|
| JT 05 | ARO FIXO<br>FIXED FRAME \| CADRE DORMANT | L | H | 2 + 2 | |
| -------- | $L_{luz}$ \| $L_{open}$ \| $L_{ouverture}$ | (L/2)-55 | - | - | - |
| JT 55 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 1 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 1 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L/2)-30 | - | 2 | |
| JT 80 | PERFIL PINGADEIRA<br>DRIP PROFILE \| LARMIER | (L/2)-40 | H-3 | 2 + 1 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-90 | - | 1 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74<br>H-98 | 1<br>1 | |
| 215311 | PERFIL PVC L MONORAIL JT<br>L PVC PROFILE \| PROFILÉ PVC L | L-33 | H-33 | 2 + 2 | |
| JT 58 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | - | H-98 | 1 | |
| JT 95 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | - | H | 2 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | (L/2)-58 | - | 1 | |
| SO 46 | PERFIL REMATE<br>FINISHING PROFILE \| PROFILÉ DE FINITION | - | H-93 | 1 | |
| SO 47 | PERFIL REMATE<br>FINISHING PROFILE \| PROFILÉ DE FINITION | - | H-91 | 1 | |
| VO 79 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | (L/2)-59<br>(L/2)+8 | H-141 | 1<br>1+1 | |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | (L/2)-69 | - | 1 | |
| SO 58 | TAMPA DE CALEIRA \| DRAINAGE CHANNEL GRID \| GRILLE POUR GOUTTIÈRE DE VIDANGE | (L/2)-69 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | (1) | | | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | | 2 |
| 213418 | CORTA-VENTO MONORAIL JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | | 1 |
| 204153 | ESQUADRO JT 11x20.5<br>CORNER CLEAT \| ÉQUERRE | | 4 |
| 213246 | CANTO CR S/SB<br>CORNER \| ANGLE | | 8 |
| 213017 | CANTO ALINHAMENTO OS<br>CORNER \| ANGLE | | 2 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | | 1 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 1 |
| 212441 | CONJ. TOPOS INF./ SUP. JT<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 1 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | | 1 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | | (a) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | | 1 |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | | 1 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | | 2 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | | 2 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | | 1 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | | 6 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | | min. 1 ** |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| VIS | Fixaçao JT 60 a JT 69 | 2 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| VIS | Fixaçao JT 55 a JT 69 | 2 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| VIS | Fixaçao topos caleira 212436 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| VIS | Fixaçao JT 49 ao JT 05 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | | 2 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

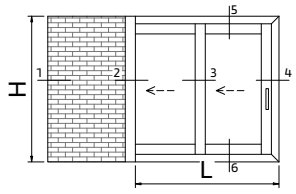
** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

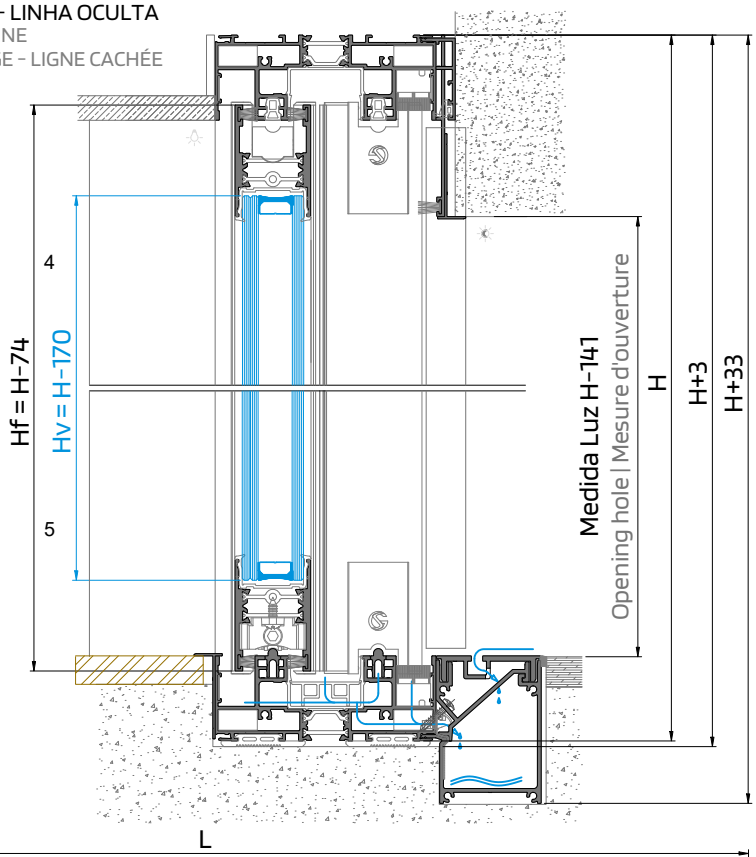
(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

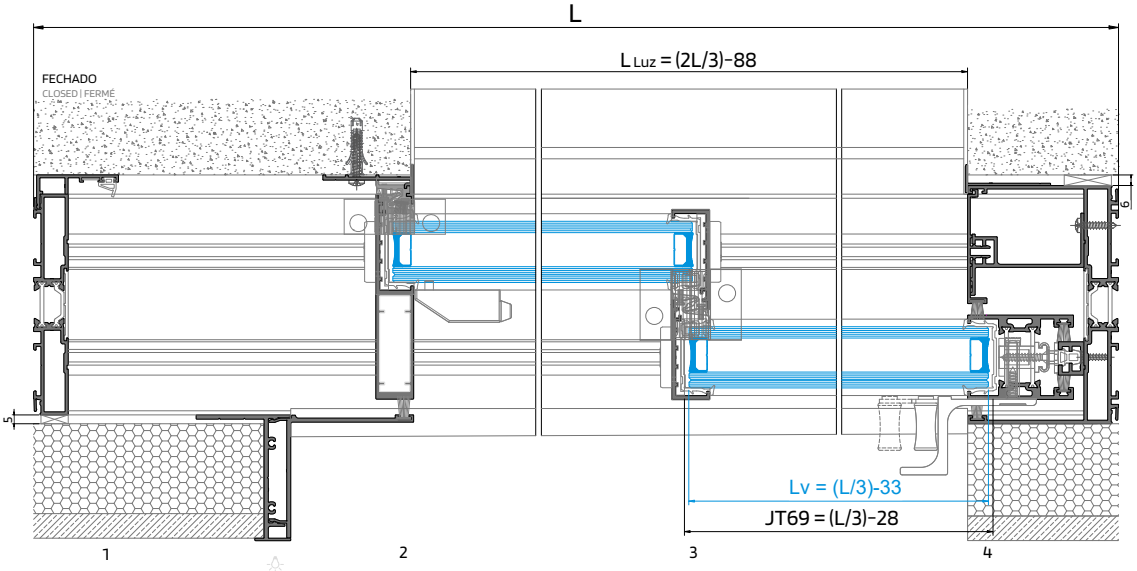
### VEDANTES | SEALS | JOINTS

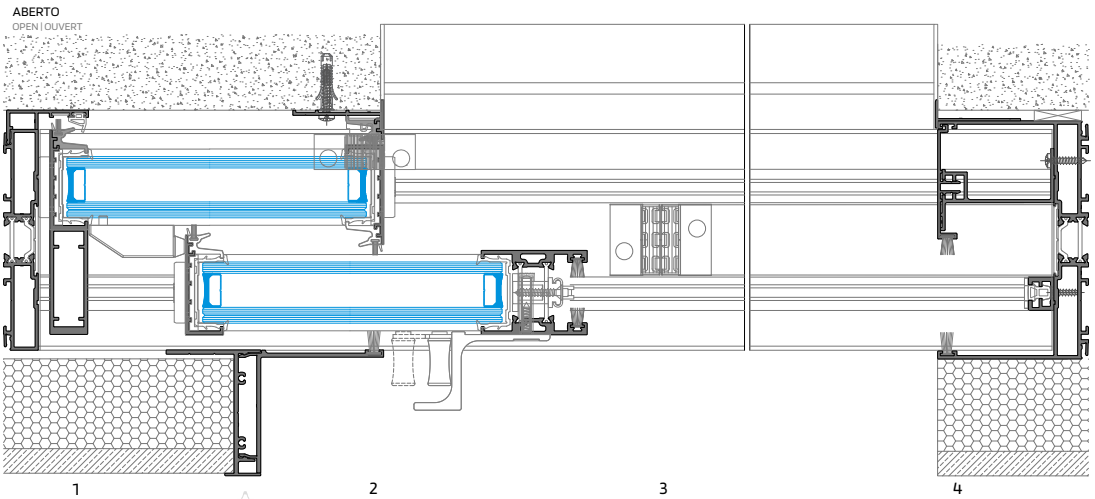
| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO<br>DESIGNATION \| NOMINATION | QUANT.<br>QUANTITY<br>QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 1L + 2H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 2H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 2H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 2H |
| 208466 | PELUCIA 7x12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 3H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 1L |
| 208257 | JUNTA DE ESTANQUICIDADE 2135 JT<br>JOINT \| JOINT | 2L + 1H |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M) \| MEMBRANE D'ÉTANCHÉITÉ DE 50MM (2M) | 1L |

JANELA DE CORRER 2 FOLHAS DE EMBUTIR 2-RAIL - LINHA OCULTA
2 SASHES POCKET 2-RAIL SLIDING WINDOW - HIDDEN LINE
FENÊTRE COULISSANT 2 VANTAUX 2-RAIL À GALANDAGE - LIGNE CACHÉE

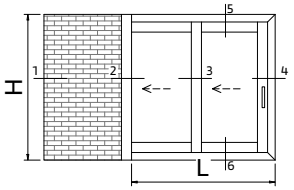


## JANELA DE CORRER 2 FOLHAS DE EMBUTIR 2-RAIL - LINHA OCULTA
2 SASHES POCKET 2-RAIL SLIDING WINDOW - HIDDEN LINE
FENÊTRE COULISSANT 2 VANTAUX 2-RAIL À GALANDAGE - LIGNE CACHÉE




### PERFIS | PROFILES | PROFILÉS

| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | CORTE HORIZ. HORIZONTAL CUT COUPE HORIZ. | CORTE VERT. VERTICAL CUT COUPE VERTICALE | QUANT. QUANTITY QUANTITÉ | CORTE CUT COUPE |
|---|---|---|---|---|---|
| JT 07 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 1 | |
| JT 10 | OMBREIRA<br>JAMB \| JAMBAGE | - | H | 1 | |
| JT 14 | PADEIRA / SOLEIRA<br>LINTEL / SILL \| LINTEAU / SEUIL | L-39 | - | 2 | |
| -------- | $L_{luz}$ \| $L_{open}$ \| $L_{ouverture}$ | (2L/3)-88 | - | - | - |
| JT 75 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 1 | |
| JT 78 | GUIA DA OMBREIRA<br>JAMB GUIDE \| GUIDE POUR JAMBAGE | - | H-91 | 1 | |
| JT 55 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 2 | |
| JT 56 | PERFIL CENTRAL<br>CENTRAL PROFILE \| PROFILÉ CENTRAL | - | H-74 | 1 | |
| JT 60 | PERFIL LATERAL<br>LATERAL PROFILE \| PROFILÉ LATÉRAL | - | H-74 | 1 | |
| JT 69 | TRAVESSA SUP/INF<br>UP/LOW TRANSOM \| TRAVERSE SUP/INF | (L/3)-28 | - | 4 | |
| JT 80 | PERFIL PINGADEIRA<br>DRIP PROFILE \| LARMIER | (L/3)+6 | H-3 | 2 + 1 | |
| JT 77 | CAPA<br>COVER \| CAPOT | - | H-38 | 1 | |
| JT 87 | GUIA<br>GUIDE \| GUIDE | L-39<br>L-100 | - | 1<br>1 | |
| 215301 | PERFIL POLIAMIDA JE 96<br>POLYAMIDE PROFILE \| PROFILÉ DE POLYAMIDE | - | H | 2 | |
| 208351 | JUNTA CENTRAL 2197<br>CENTRAL JOINT \| JOINT CENTRALE | - | H-74<br>H-98 | 3<br>1 | |
| 215305 | PERFIL PVC U<br>U PVC PROFILE \| PROFILÉ PVC U | L-39 | - | 2 | |
| 215303 | PERFIL PVC T<br>T PVC PROFILE \| PROFILÉ PVC T | (L/3)-11<br>(2L/3)-81 | - | 1<br>1 | |
| JT 58 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | - | H-98 | 1 | |
| JT 99 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | (2L/3)-91 | - | 1 | |
| SO 46 | PERFIL REMATE<br>FINISHING PROFILE \| PROFILÉ DE FINITION | - | H-93 | 1 | |
| SO 47 | PERFIL REMATE<br>FINISHING PROFILE \| PROFILÉ DE FINITION | - | H-91 | 1 | |
| VO 79 | PERFIL COMPLEMENTAR<br>Complementary profile \| Profilé complémentaire | (2L/3)-92<br>(2L/3)-25 | H-141 | 1<br>1 | +1 |
| JT 48 | PERFIL CALEIRA<br>DRAINAGE CHANNEL \| GOUTTIÈRE DE VIDANGE | (2L/3)-102 | - | 1 | |
| SO 58 | PERFIL FIXAÇÃO TAMPA \|<br>Drainage channel grid fix. prof. \| Prof. Fixation grille | (2L/3)-102 | - | 1 | |
| JT 49 | PERFIL FIXAÇÃO TAMPA \| DRAINAGE CHANNEL GRID FIX. PROF. \| PROF. FIXATION GRILLE | (1) | | | |

(1) Peças com 400mm, aplicadas aproximadamente a cada 800mm | Pieces 400mm long, applied approximately every 800mm | Pièces de 400 mm, appliquées à environ tous les 800 mm

### ACESSÓRIOS | ACCESSORIES | ACCESSOIRES

| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | | QUANT. QUANTITY QUANTITÉ |
|---|---|---|---|
| 205000 | CARRINHO JT-SLIM<br>ROLLER \| ROULETTE | | 4 |
| 213418 | CORTA-VENTO MONORAIL JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 2 |
| 213402 | CORTA-VENTO JT-SLIM<br>CENTRAL WATERPROOFING PILE SEAL \| BROSSE CENTRALE D'ETANCHÉITÉ | | 2 |
| 212337 | CONJ. ESTANQ. CORTA-VENTO JT<br>CENTRAL WATERPROOFING BRUSH KIT \| KIT BROSSE CENTRALE D'ETANCHÉITÉ | | 1 |
| 223105 | KIT JUNTAS ADESIVAS Nº1 JT<br>JT Nº1 ADHESIVE JOINTS KIT \| KIT DE JOINTS ADHÉSIFS Nº1 JT | | 2 |
| 213017 | CANTO ALINHAMENTO OS<br>CORNER \| ANGLE | | 2 |
| 212131 | CONJ. TOPOS LATERAL JT-SLIM<br>LATERAL END-CAPS KIT \| KIT D'EMBOUTS LATÉRAUX | | 1 |
| 212133 | CONJ. TOPOS CENTRAL JT-SLIM<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 3 |
| 210231 | TOPO CENTRAL REFORÇADO JT56 28MM<br>28MM CENTRAL REINFORCED END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX RENFORCÉ 28MM | | 2 |
| 212441 | CONJ. TOPOS INF./ SUP. JT<br>CENTRAL END-CAPS KIT \| KIT D'EMBOUTS CENTRAUX | | 1 |
| 212436 | CONJ. TOPOS CAL./SOL. JT 2-RAIL \| DRAINAGE CHANNEL/SILL JT 2-RAIL<br>END-CAP KIT \| KIT D'EMBOUT DE GOUTTIÈRE/SEUIL JT 2-RAIL | | 1 |
| 210268 | GOTEIRA C/ VALV. SVE<br>OUTSIDE FLAP VALVE \| CLAPE À VOLET EXTÉRIEUR | | (a) |
| 200785 | PUXADOR SLIM PRO<br>HANDLE \| POIGNÉE | | 1 |
| 211234 | MULTIPONTO ALU MAC.1000 (2P)<br>MULTIPOINT HARDWARE \| SERRURE MULTIPOINT | | 1 |
| 202330 | CONTRA-FECHO ALU<br>STRIKING PLATE \| GÂCHE | | 2 |
| 212455 | CONJ. FIX. CONTRA-FECHO AL MULTIP. JT<br>MULTIPOINT HARDWARE STRIKING PLATE FIXING KIT \| KIT FIXATION GÂCHE SERRURE MULTIPOINT | | 2 |
| 212289 | CONJ. CENTRADOR P/ FERRAGEM ALU<br>CENTERING KIT FOR ALU HARDWARE \| KIT CENTRAGE POUR SERRURE ALU | | 1 |
| 212373 | CONJ. FIXAÇÃO JT-SLIM<br>FIXING KIT \| KIT FIXATION | | 6 |
| 212422 | CONJ. GUIAS SUPERIORES JT<br>UPPER GUIDE \| GUIDE SUPÉRIEUR | | min. 2** |
| 228107 | LIMITADOR ABERT. PQ SERIE CORRER<br>OPENING LIMITER \| LIMITEUR D'OUVERTURE | | 1 |
| 290087 | PARAF. DIN7981 PH 4,8x63 INOX A2<br>SCREW \| VIS | Fixaçao JT 60 a JT 69 | 2 |
| 290091 | PARAFUSO DIN7981 PH 4,8x50 A2<br>SCREW \| VIS | Fixaçao JT 55 a JT 69 | 6 |
| 290088 | PARAFUSO DIN7981 PH 4,2x16 INOX A2<br>SCREW \| VIS | Fixaçao topos caleira 212436 | 8 |
| 290052 | PARAF DIN7982 PH 3,5x16 A2<br>SCREW \| VIS | Fixação perfis JT 78 a JT 07 | 1 + 4 un./m |
| 290262 | PARAFUSO PK INOX PH 1 1/2X10 CQ<br>SCREW \| VIS | Fixação perfis JT 07, JT 10 ao JT 14 | 8 |
| 290472 | PARAFUSO AT/PF CQ Ø3.9x19MM A2<br>SCREW \| VIS | Fixaçao JT 49 ao JT 14<br>Fixação JT 75 a JT 07 | 1+4un./m |
| 218147 | CALÇO REFORÇO HORIZONTAL JT-SLIM *<br>HORIZONTAL REINFORCEMENT SHIM \| CALE DE RENFORCEMENT HORIZONTALE | | 2 |

* Usar em folhas com vidros com peso superior a 80kg
To be used in sashes which glass weight exceed 80kg | Utiliser dans des panneaux de verre d'un poids supérieur à 80 kg

** Consultar Mapas de Ferragens
Consult the Hardware Maps | Consulter la Carte des Ferrures
De 0-1m = 1un/folha; De 1-2m = 2un/folha; De 2-3m = 3un/folha
From 0-1m = 1un/sash; From 1- 2m = 2un/sash; From 2-3m = 3un/sash
De 0-1m = 1un/vantail; De 1-2m = 2un/vantail; De 2-3m = 3un/vantail

(a) Conforme esquemas de drenagem (Capítulo V - Maquinações)
According to drainage schemes (Chapter V - Machinings) | Selon les schémas de drainage (Chapitre V - Usinages)

### VEDANTES | SEALS | JOINTS

| CÓDIGO CODE \| CODE | DESIGNAÇÃO DESIGNATION \| NOMINATION | QUANT. QUANTITY QUANTITÉ |
|---|---|---|
| 208348 | JUNTA TAPA CANAL 2116 JT<br>JOINT \| JOINT | 2L + 1H |
| 208099 | JUNTA VIDRO U 1032 CX 32MM JT<br>GLAZING GASKET \| JOINT DE VITRAGE | 2L + 4H |
| 208307 | PELUCIA 7x10 TRI-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 4L + 3H |
| 208469 | PELÚCIA SRF 4X8 2P1M Preta<br>PILE SEAL \| JOINT BROSSE | 4H |
| 208466 | PELUCIA 7x12 STOP-FIN PRETA<br>PILE SEAL \| JOINT BROSSE | 1L + 2H |
| 208915 | JUNTA REMATE PAREDE VD 2205<br>JOINT \| JOINT | 2L |
| 208257 | JUNTA DE ESTANQUICIDADE 2135 JT<br>JOINT \| JOINT | 2L + 1H |
| 299112 | MEMBRANA SELAGEM 50MM (2M)<br>SEALING MEMBRANE 50MM (2M)\| MEMBRANE D'ÉTANCHÉITÉ DE 50MM (2M) | 1L |

# V

## MAQUINAÇÕES, CORTES E FRESAGENS
MACHININGS, CUTS AND MILLINGS
USINAGES, COUPES ET FRAISAGES


Maquinações e fresagens em aros fixos V . 1
Fixed frames machinings and millings
Usinages et fraisages en dormants

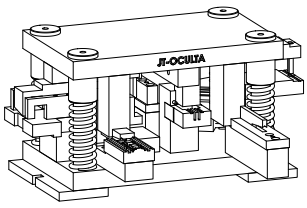
Maquinações e fresagens em aros móveis V . 2
Mobile frames machinings and millings
Usinages et fraisages en ouvrants

Maquinações e fresagens para acessórios V . 3
Accessories machinings and millings
Usinages et fraisages pour accessoires

# V.1

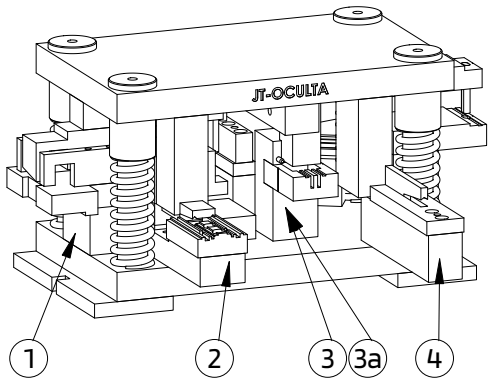
Maquinações e fresagens em aros fixos
Fixed frames machinings and millings | Usinages et fraisages en dormants

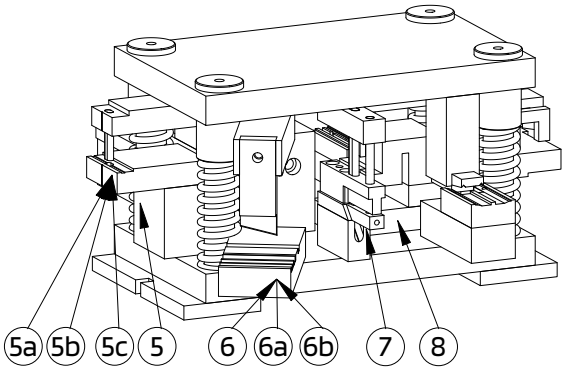
# OPERAÇÕES DO CORTANTE JT-OCULTA
JT-CONCEALED PUNCHING TOOL OPERATIONS
OPÉRATIONS DE L'OUTIL DE POINÇONNAGE JT-CACHÉE

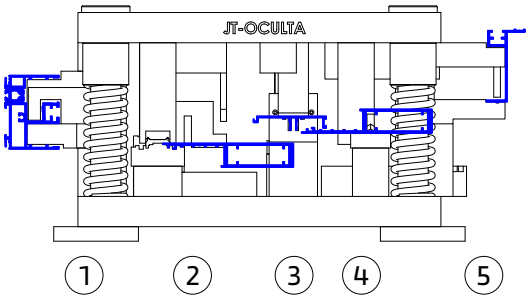


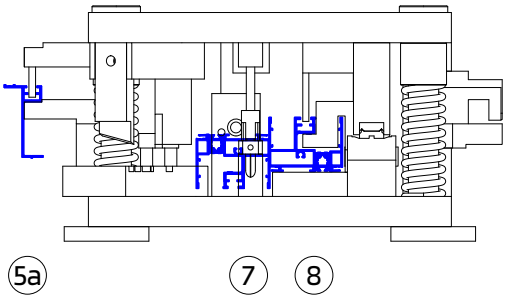

Para a linha Oculta, monorail e galandage PT

**408075** CORTANTE JT-OCULTA

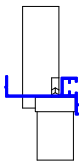


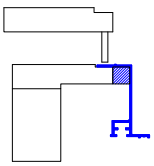



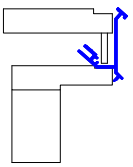

1. Maquinação para Saída de Águas
   *Perfis: JT 05; PVC L MONORAIL JT*
2. Maquinação de Rasgo
   *Perfis: JT 55; 56*
3. Maquinação de Rasgo Capa
   *Perfis: JT 77; 91*
3a. Maquinação de Rasgo Capa
   *Perfis: JT 77; 91*
4. Maquinação de Rasgo no Tubular
   *Perfis: JT 56*
4a. Maquinação de Rasgo
   *Perfis: JT 75; 76*
5. Maquinação de Rasgo
   *Perfis: JT 76*
5a. Maquinação de Rasgo
   *Perfis: JT 76*
5b. Maquinação de Rasgo
   *Perfis: JT 75*
5c. Maquinação de Rasgo
   *Perfis: JT 49*
6. Maquinação para Saída de Águas
   *Perfis: JT 14; 24; 34*
6a. Maquinação para Saída de Águas
   *Perfis: JT 14; 24; 34*
6b. Maquinação para Saída de Águas
   *Perfis: JT 05*
7. Maquinação para Esquadro
   *Perfis: JT 05*
8. Maquinação de Rasgo
   *Perfis: JT 05*



4a

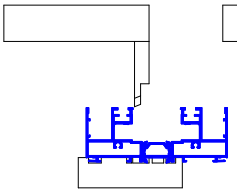


5b

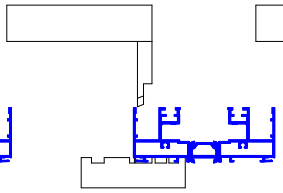


5c

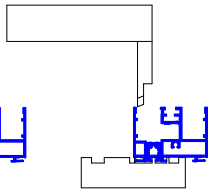
Nota: Para maquinar o perfil JT 75 (op.5b) é necessário utilizar peça de enchimento
Note: To machine the JT 75 profile (op. 5b), use the filler piece
Remarque: pour usiner le profilé JT 75 (op. 5b), utiliser la pièce de remplissage



6

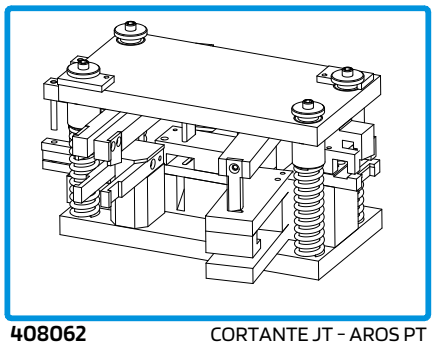


6a

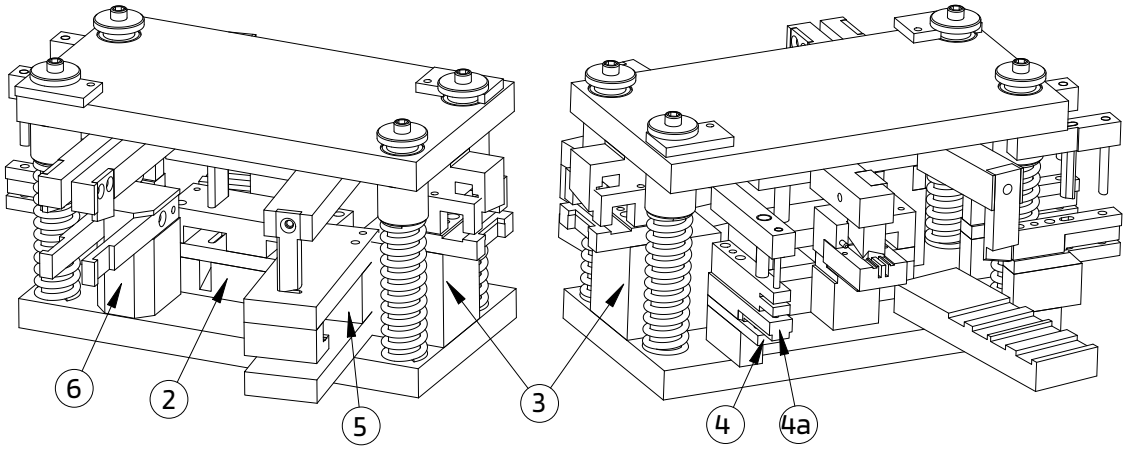


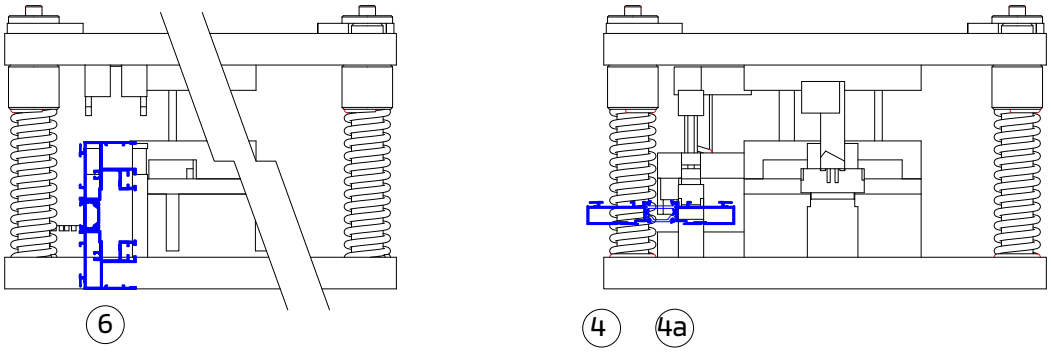
6b

# OPERAÇÕES DO CORTANTE JT-AROS PT
JT-PT FRAMES PUNCHING TOOL OPERATIONS
OPÉRATIONS DE L'OUTIL DE POINÇONNAGE JT-CADRES PT



**408062** CORTANTE JT - AROS PT




(2) Rasgo Perfil Polimida
*Perfis: Polimida*

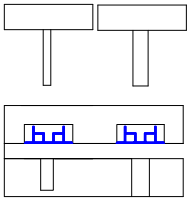
(3) Rasgo Saída Águas Rails
*Perfis: Polimida; JT 14; 24; 34*

(4) Furação Ø10 Ombreiras
*Perfis: JT 07; 08; 09; 10*

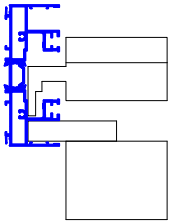
(4a) Furação Ø5 Ombreiras
*Perfis: JT 07; 08; 09; 10*

(5) Rasgo Saída Águas
*Perfis: JT 05,14; 24; 34*

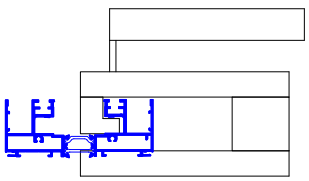
(6) Rasgo Saída Águas Topo Soleira
*Perfis: JT 14*



(2)



(3)

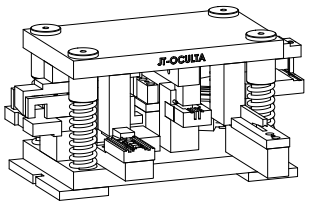


(5)

## MAQUINAÇÃO DO PERFIL ARO FIXO MONORAIL (CORTE 45º)
FIXED FRAME MONRAIL PROFILE MACHINING (45º CUT)
USINAGE DU PROFIL DORMANT MONORAIL (COUPE 45º)

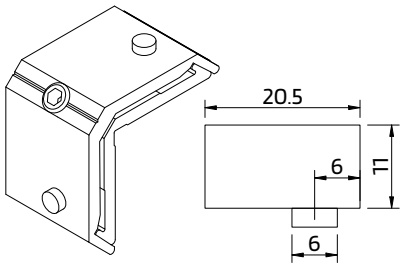
Maquinação de perfil aro fixo para aplicação de esquadros
Fixed frame profile milling for corner cleat application
Fraisage du profil dormant pour l'application de équerres

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



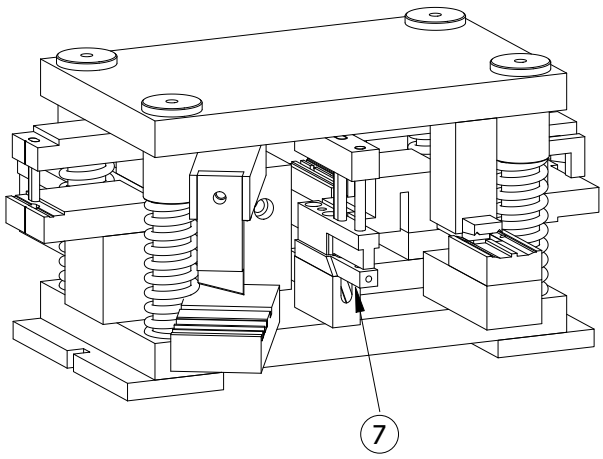

Para a linha Oculta, monorail e galandage PT

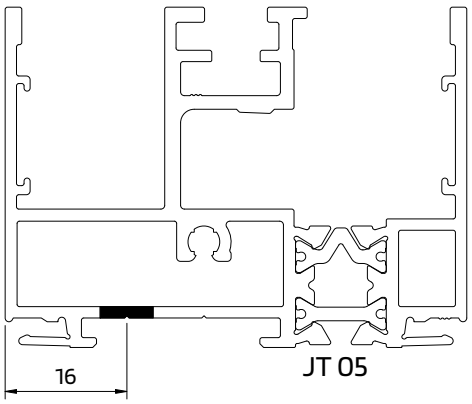
**408075** CORTANTE JT-OCULTA

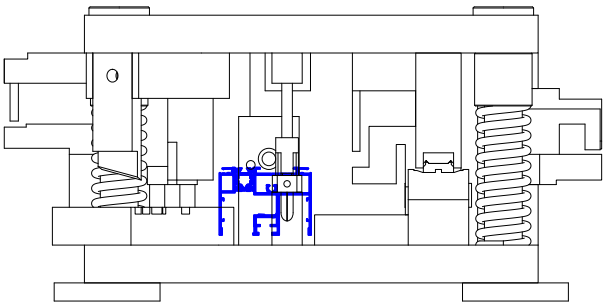


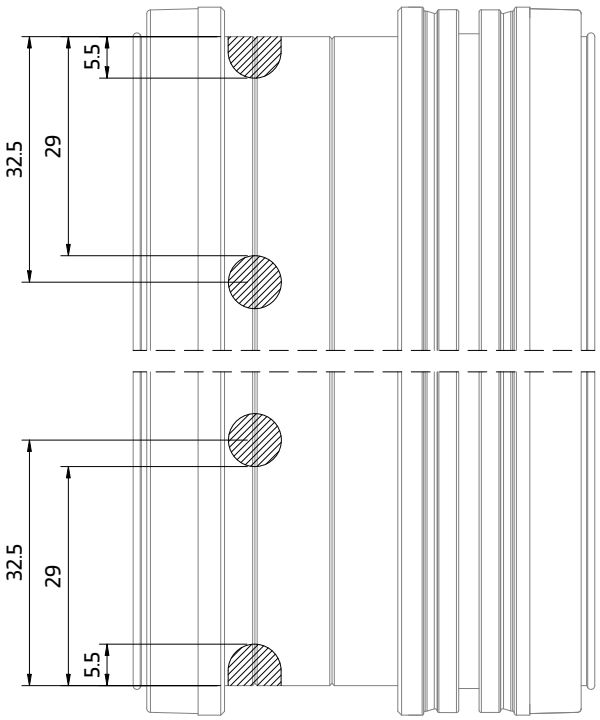

Para os perfis JT 12, 13, 14, 15, 16, 25, 33, 34 e 47

**204153** ESQUADRO JT 11x20.5



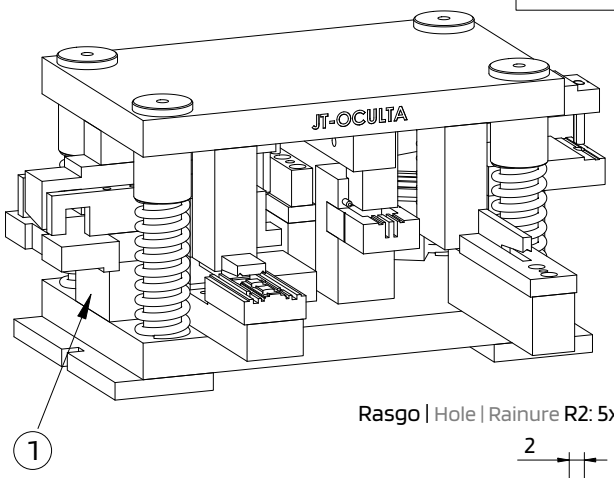



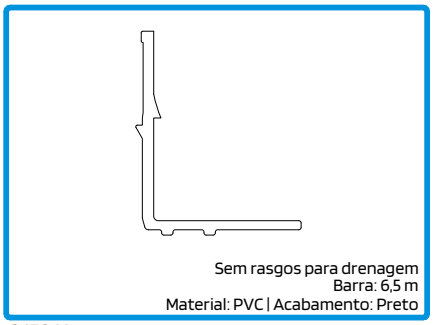



# MAQUINAÇÃO DO PERFIL ARO FIXO MONORAIL (CORTE 45º)
FIXED FRAME MONRAIL PROFILE MACHINING (45º CUT)
USINAGE DU PROFIL DORMANT MONORAIL (COUPE 45º)

Maquinação do perfil de PVC
PVC profile machining
Usinage du profile en PVC

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

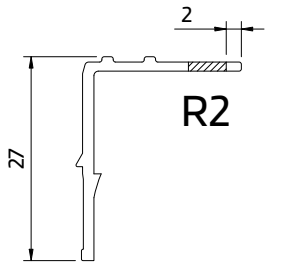


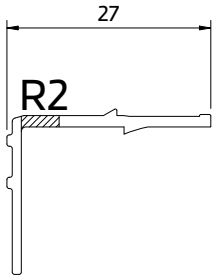



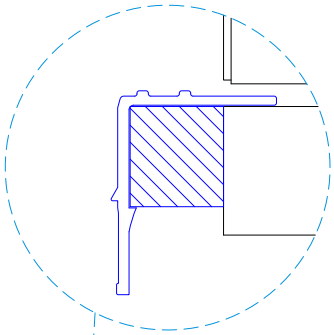
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

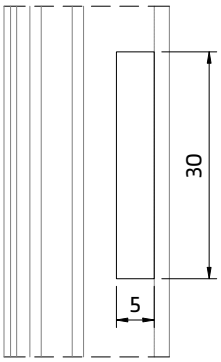
**215311** PERFIL PVC L MONORAIL JT

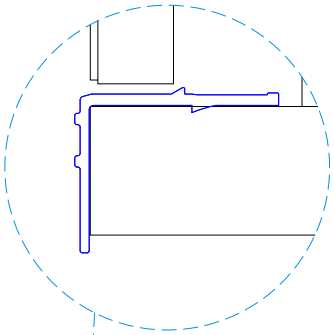
Rasgo | Hole | Rainure R2: 5x30mm

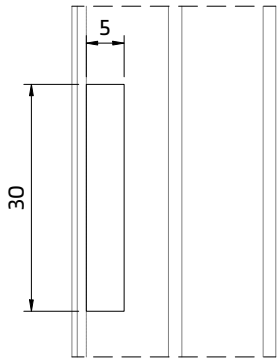


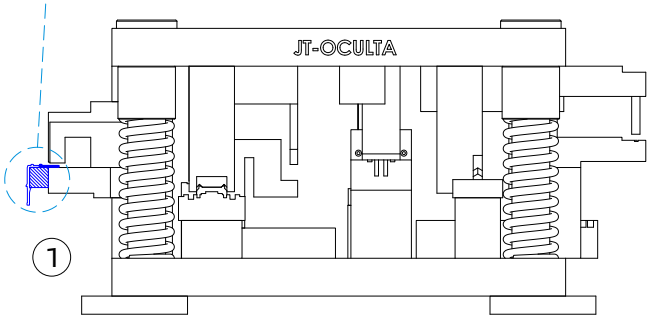



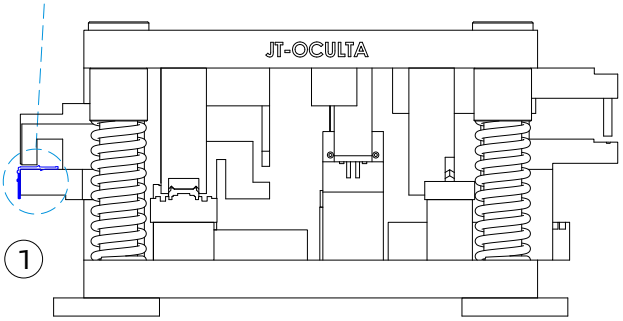







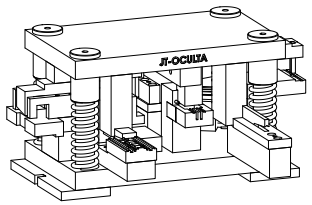




Nota: para maquinar o perfil de PVC L nesta posição, utilizar a peça de enchimento.
Note: To machine the PVC L profile in this position, use the filler piece.
Remarque: pour usiner le profilé en PVC en L à cet endroit, utiliser la pièce de remplissage.

## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 45º E 90°)
FIXED FRAME PROFILE MACHINING (45º AND 90° CUT)
USINAGE DU PROFIL DORMANT (COUPE 45º ET 90°)

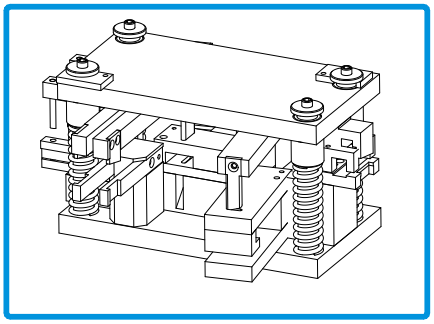
Drenagem de águas
Water drainage
Drainage des eaux

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

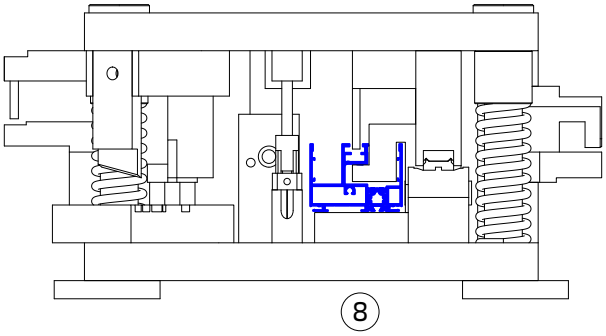


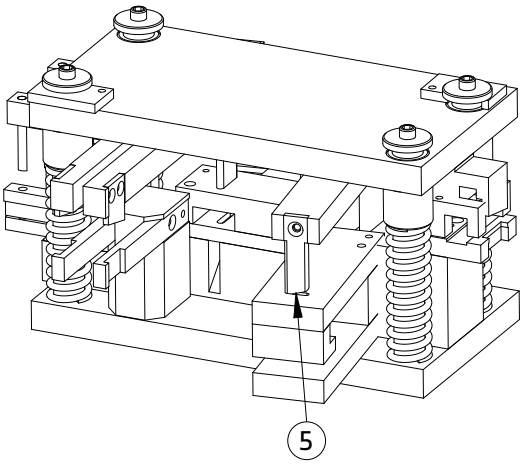

Para a linha Oculta, monorail e galandage PT

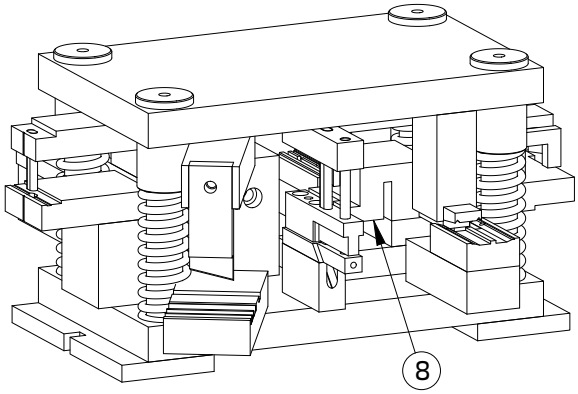
**408075** CORTANTE JT-OCULTA



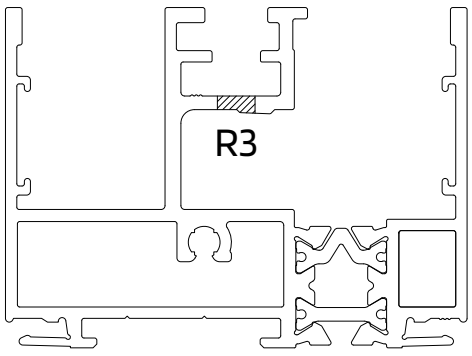
**408062** CORTANTE JT - AROS PT

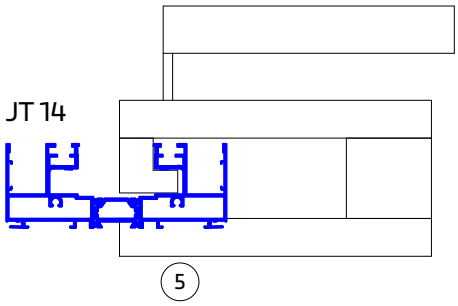


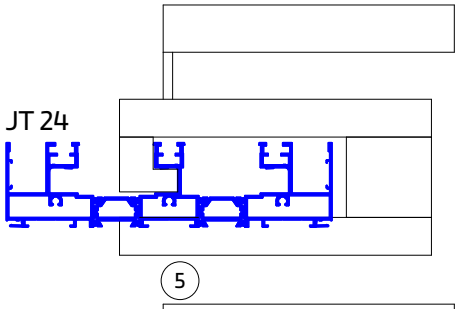



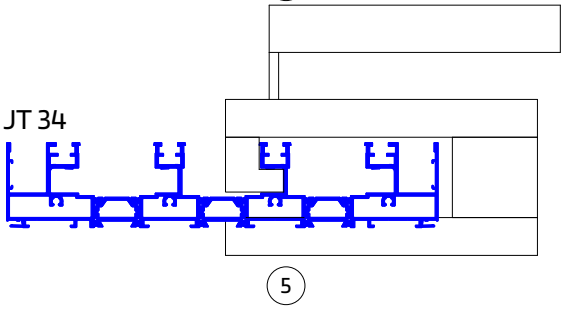




Rasgo | Hole | Rainure R3: 5x20mm



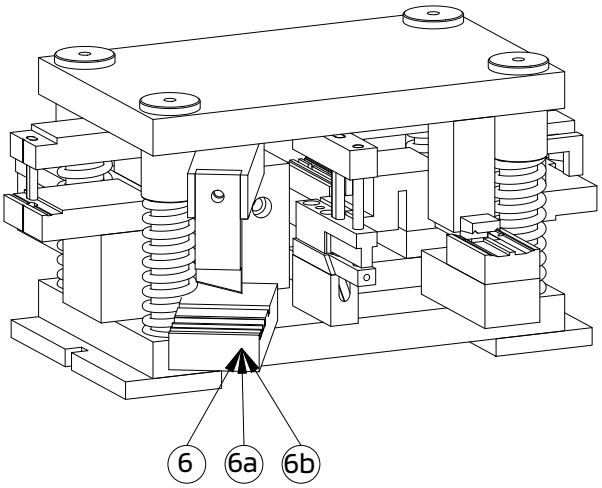



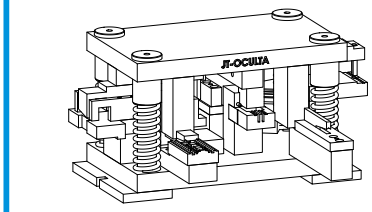



## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 45º E 90°)
FIXED FRAME PROFILE MACHINING (45º AND 90° CUT)
USINAGE DU PROFIL DORMANT (COUPE 45º ET 90°)

Drenagem de águas
Water drainage
Drainage des eaux

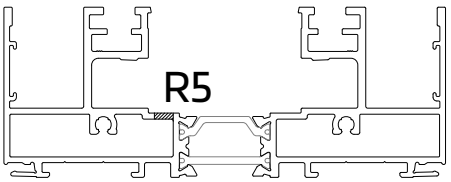
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



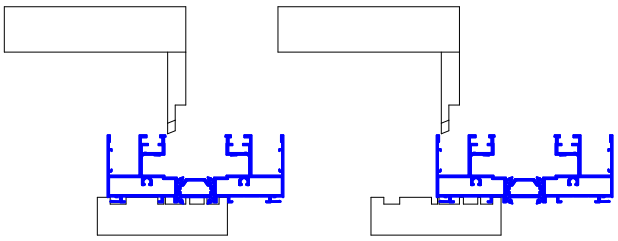




Para a linha Oculta, monorail e galandage PT

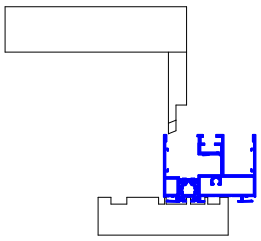
**408075** CORTANTE JT-OCULTA



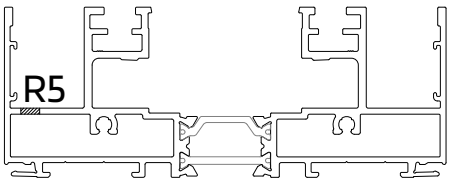

JT 14



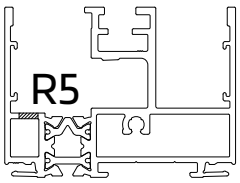
6 6a



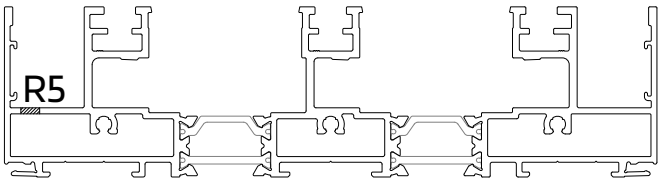
6b



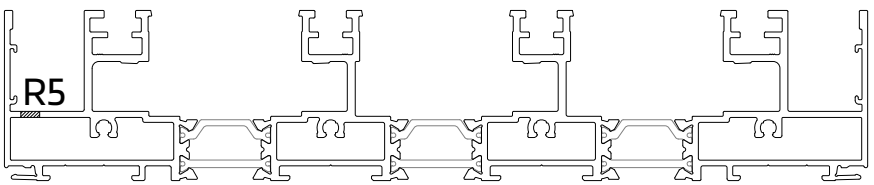

JT 14




JT 05




JT 24

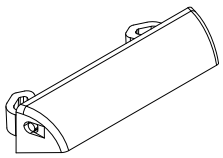



JT 34

## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 90°)
FIXED FRAME PROFILE MACHINING (90° CUT)
USINAGE DU PROFIL DORMANT (COUPE 90°)

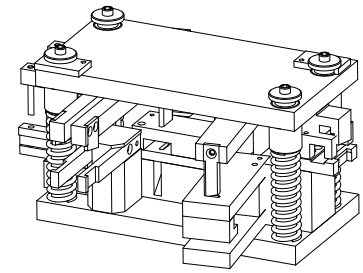
Drenagem de águas
Water drainage
Drainage des eaux

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



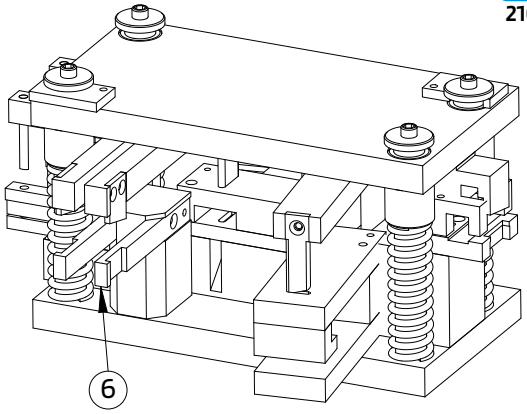
Acabamentos: Branco e Preto

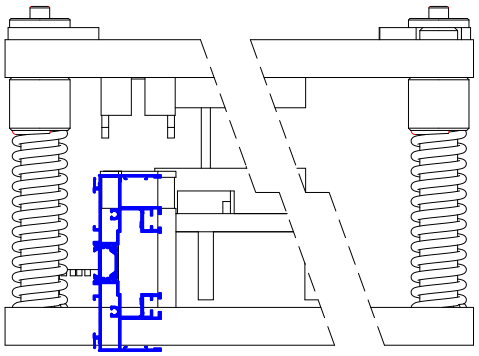
**210268** GOTEIRA C/ VÁLV. SVE



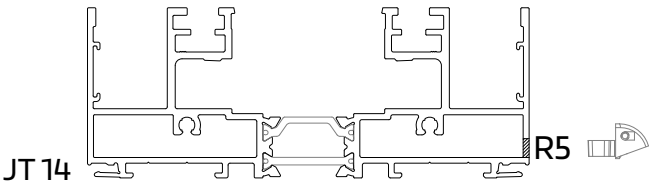
Para os perfis JT 12, 13, 14, 15, 25, 33 e 34

**408062** CORTANTE JT - AROS PT



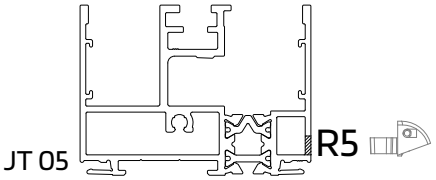



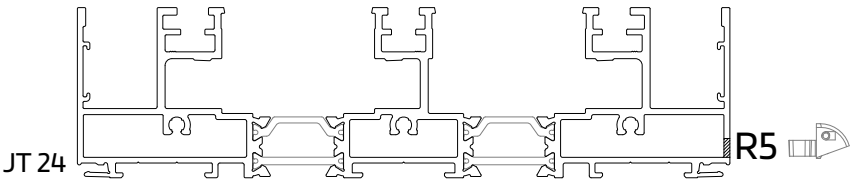
Rasgo | Hole | Rainure R5: 5x30mm

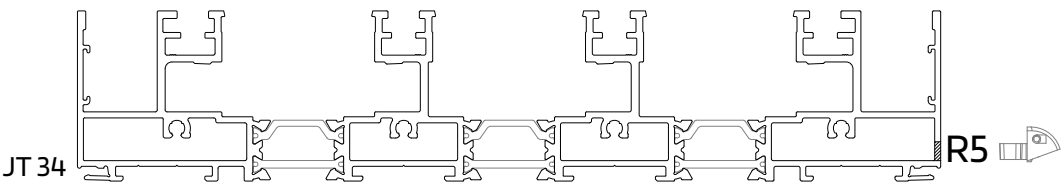



Nota: Esta operação apenas executa os rasgos laterais, para o perfil JT 14. Os rasgos centrais terão de ser executados manualmente
Note: This operation only cuts the lateral holes for the JT 14 profile. The centre pieces will need to be manually cut
Remarque: Cette opération effectue uniquement les entailles latérales, pour le profil JT 14. Les trous centraux devront être découpés à la main

Maquinação realizada manualmente
Manual Machining
Usinage manuel



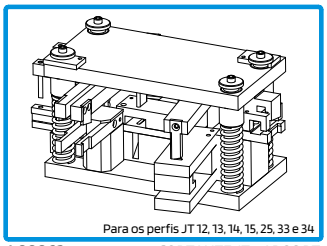



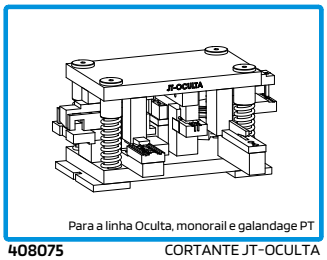
## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 45º E 90°)
FIXED FRAME PROFILE MACHINING (45º AND 90° CUT)
USINAGE DU PROFIL DORMANT (COUPE 45º ET 90°)

Drenagem de águas
Water drainage
Drainage des eaux

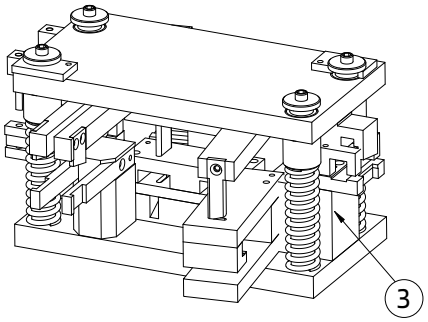
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

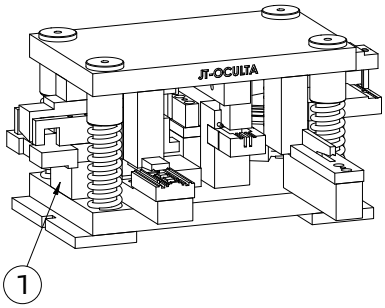


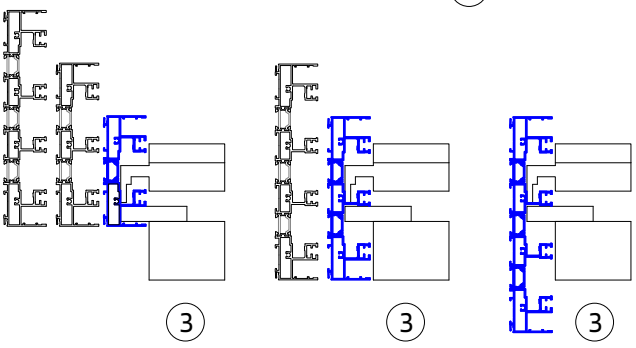

**408062** CORTANTE JT - AROS PT

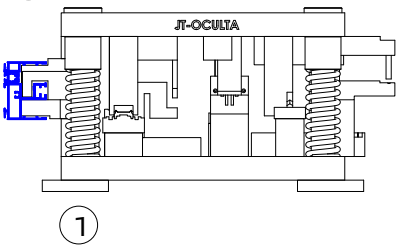


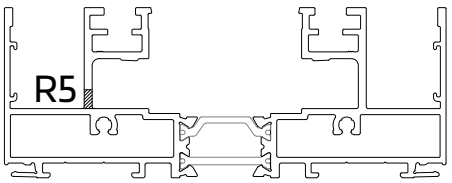

**408075** CORTANTE JT-OCULTA



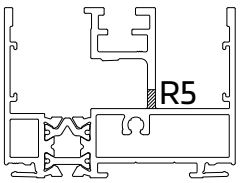



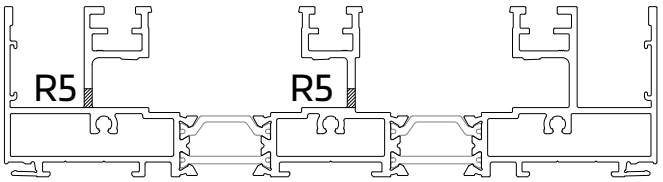



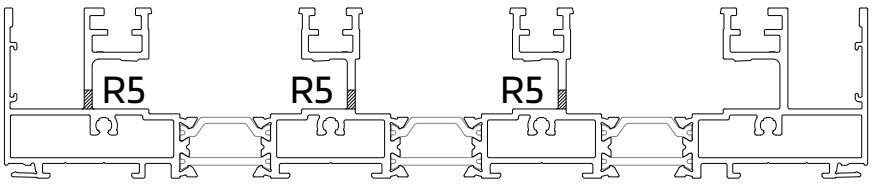

JT 14




JT 05




JT 24



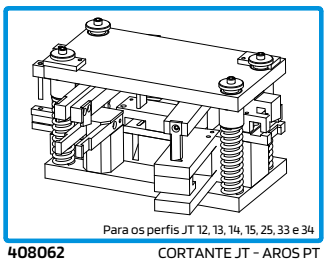

JT 34

## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 90º)
FIXED FRAME PROFILES MACHINING (90º CUT)
USINAGE DES PROFILÉS DORMANT (COUPE 90º)

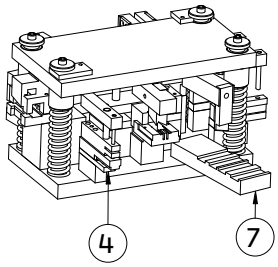
Furação dos perfis ombreira
Jamb profiles drilling
Perçage des profilés de jambage

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

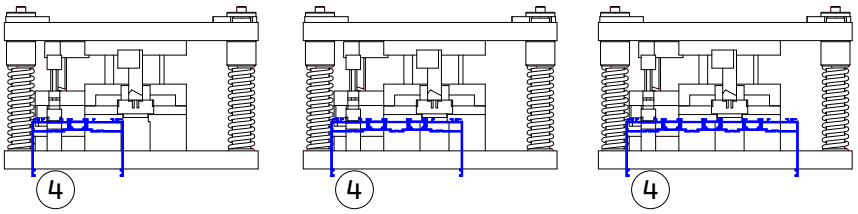
Nota: para maquinar o perfil JT 09, tem de se retirar a peça da operação nº7.
Note: to machine the JT 09 profile, the part must be removed from operation nº 7.
Note: pour usiner le profil JT 09, il faut retirer la pièce de l`opération nº7.

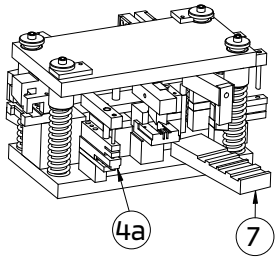


**408062** CORTANTE JT - AROS PT

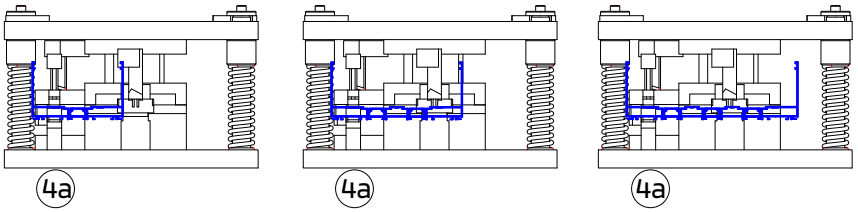


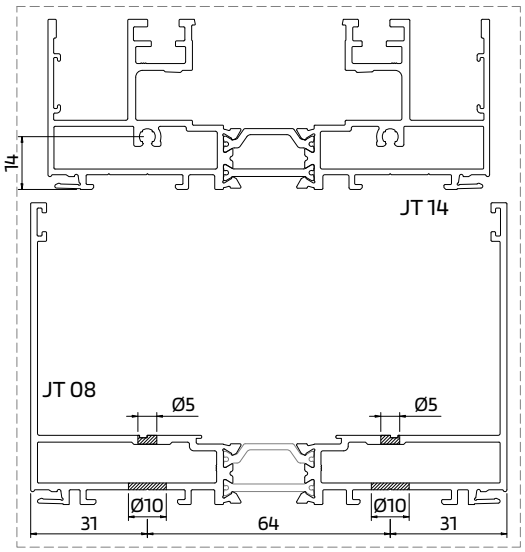

Furos de Ø10mm
Ø10mm holes
Trous Ø10mm

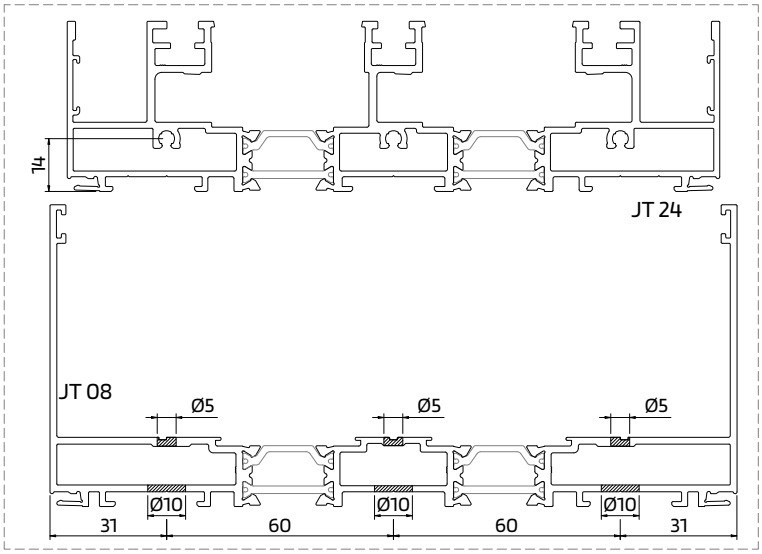


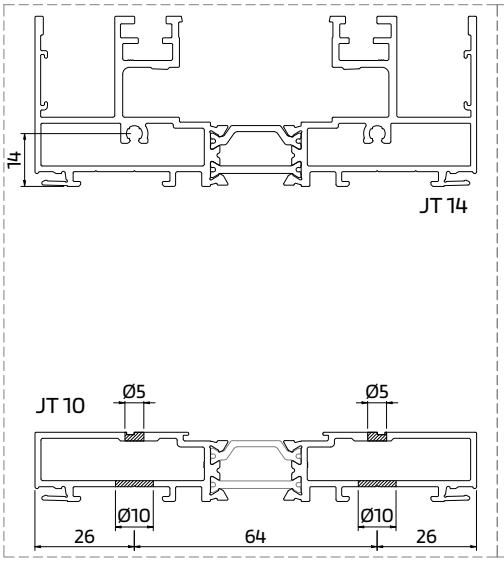



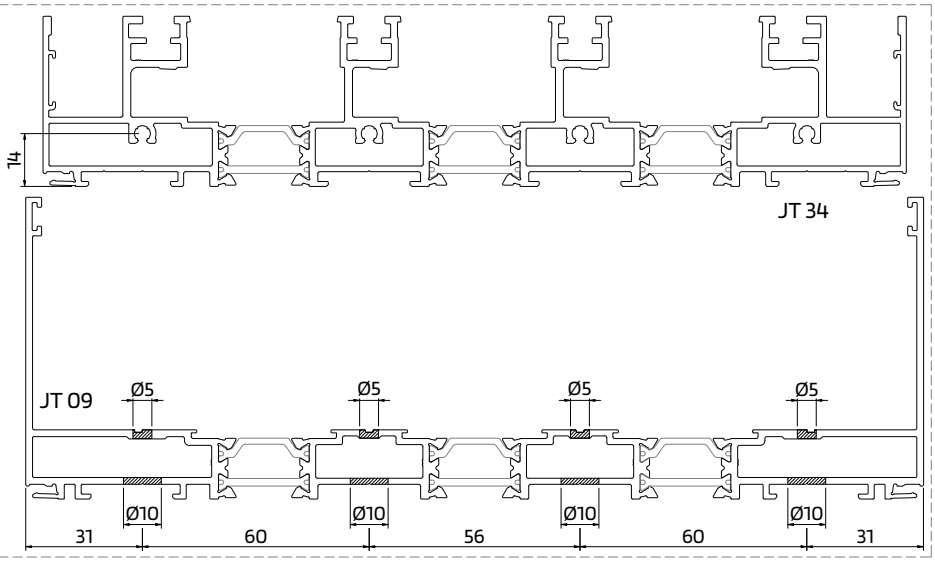

Furos de Ø5mm
Ø5mm holes
Trous Ø5mm



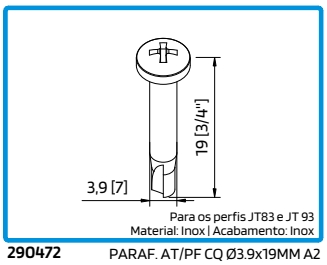



## MAQUINAÇÃO DOS PERFIS JT 75 E JT 76 (CORTE 90º)
JT 75 AND JT 76 PROFILES MACHINING (90º CUT)
USINAGE DES PROFILÉS JT 75 ET JT 76 (COUPE 90º)

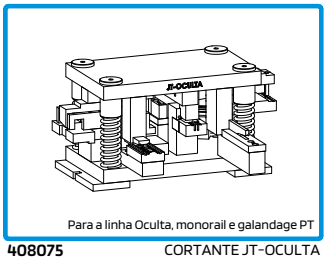
Furação dos perfis ombreira
Jamb profiles drilling
Perçage des profilés de jambage

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



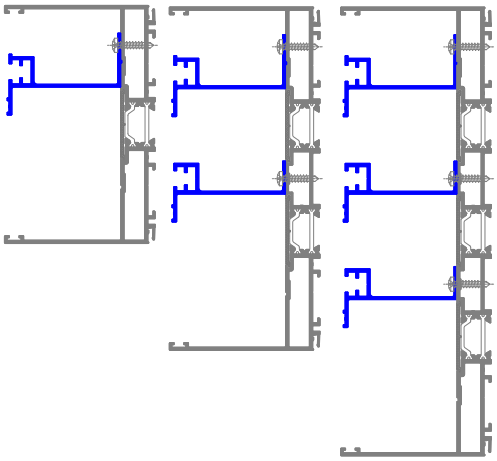

Para os perfis JT83 e JT 93
Material: Inox | Acabamento: Inox

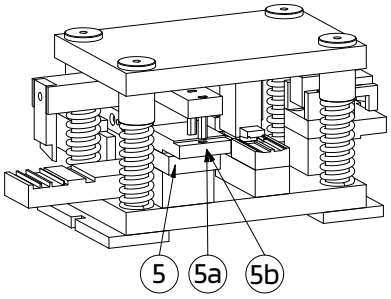
**290472** PARAF. AT/PF CQ Ø3.9x19MM A2

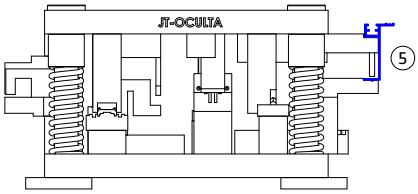


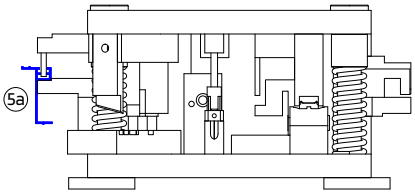
Para a linha Oculta, monorail e galandage PT

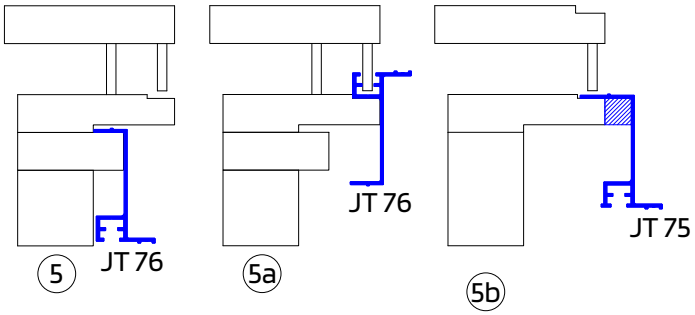
**408075** CORTANTE JT-OCULTA

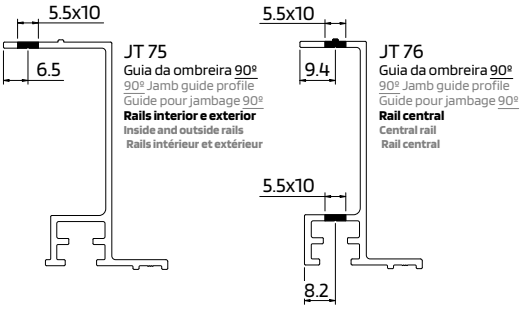


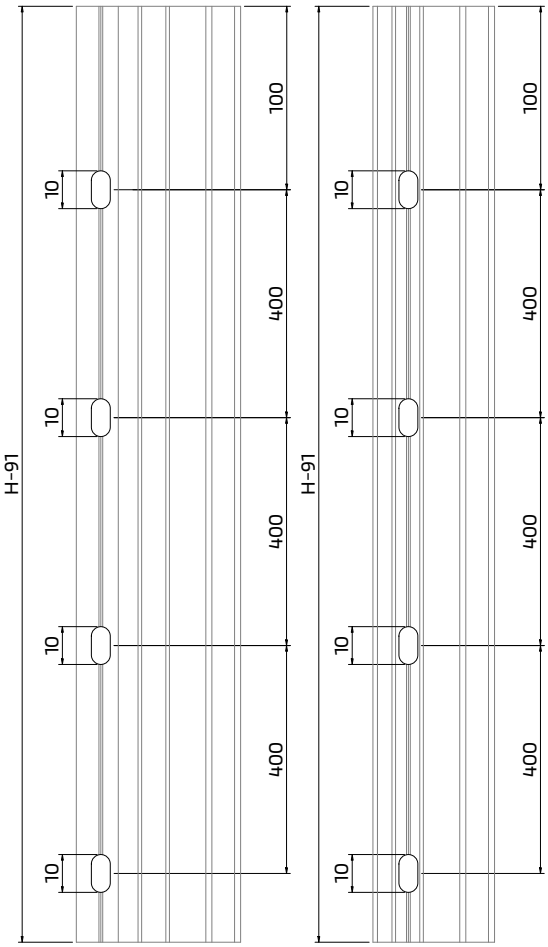


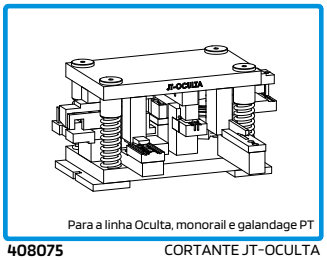




Nota: Para maquinar o perfil JT 75 é necessário utilizar peça de enchimento
Note: To machine the JT 75 profile, it is necessary to use a filler piece
Note: Pour usiner le profil JT 75, il est nécessaire d'utiliser une pièce de remplissage

## MAQUINAÇÃO DOS PERFIS JT 75 E JT 76 (CORTE 90º)
JT 75 AND JT 76 PROFILES MACHINING (90º CUT)
USINAGE DES PROFILÉS JT 75 ET JT 76 (COUPE 90º)

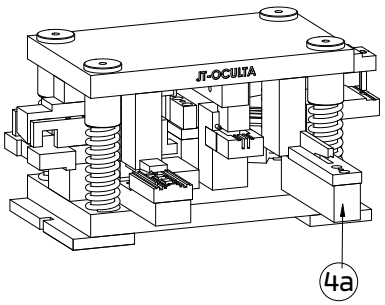


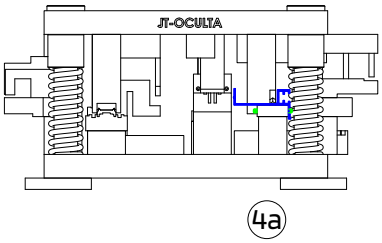

Para a linha Oculta, monorail e galandage PT

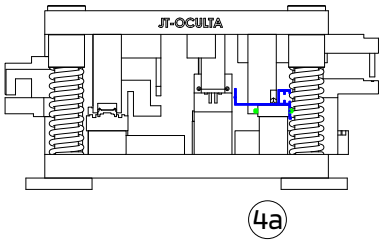
**408075** CORTANTE JT-OCULTA

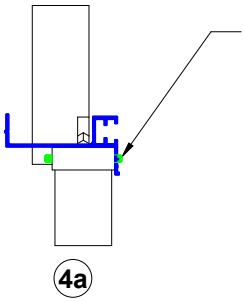
Furação dos perfis ombreira
Jamb profiles drilling
Perçage des profilés de jambage

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



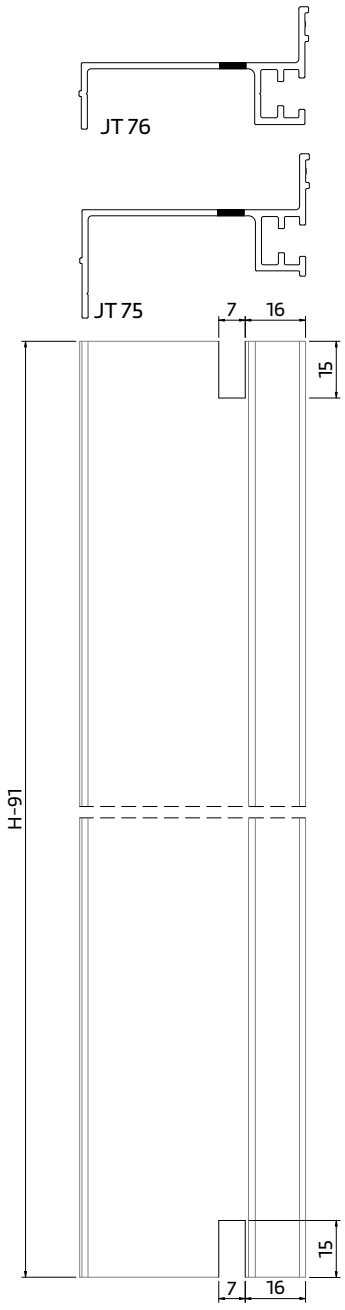




Nota: Para realizar esta maquinação nos perfis JT 75 e JT 76, colocar os batentes para encostar os perfis

Note: To perform this machining operation on JT 75 and JT 76 profiles, position the stops to align the profiles

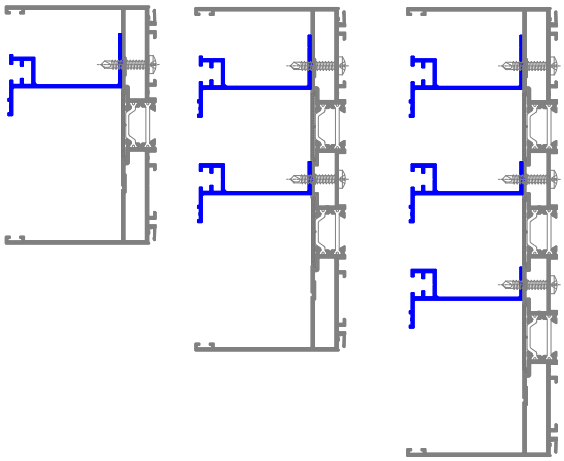
Remarque : pour réaliser cette opération d'usinage sur les profilés JT 75 et JT 76, positionnez les butées de manière à aligner les profilés

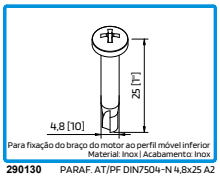



Nota: Esta maquinação é feita para o caso de se querer desclipar os perfis JT 77 ou JT 91.
Note: This fixture is designed for use when you wish to unclip the JT 77 or JT 91 profiles.
Note: Ce dispositif est conçu pour permettre de détacher les profilés JT 77 ou JT 91.

## MAQUINAÇÃO DOS PERFIS ARO FIXO (CORTE 90º)
FIXED FRAME PROFILES MACHINING (90º CUT)
USINAGE DES PROFILÉS DORMANT (COUPE 90º)

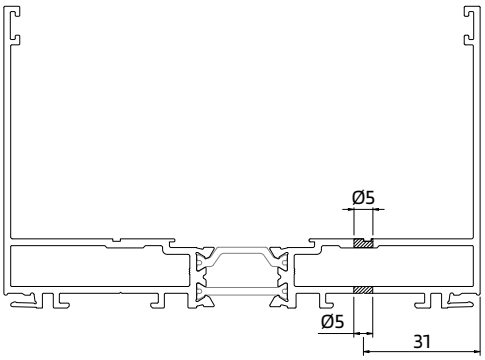
### Furação dos perfis ombreira
Jamb profiles drilling
Perçage des profilés de jambage



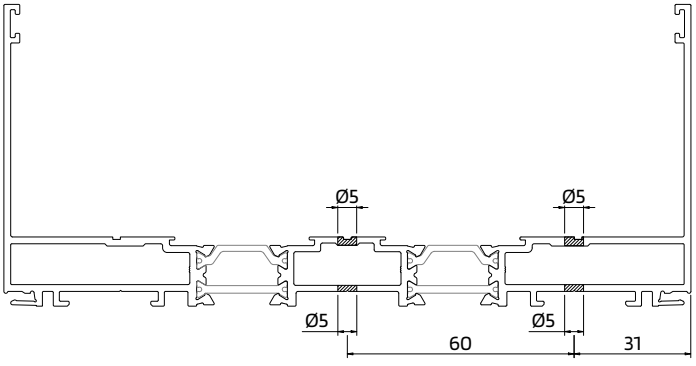



**290130** PARAF. AT/PF DIN7504-N 4,8x25 A2

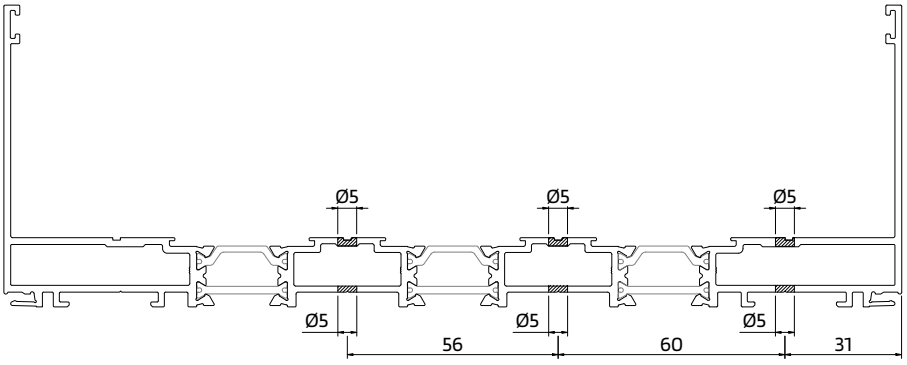
Maquinação realizada manualmente
Manual Machining
Usinage manuel



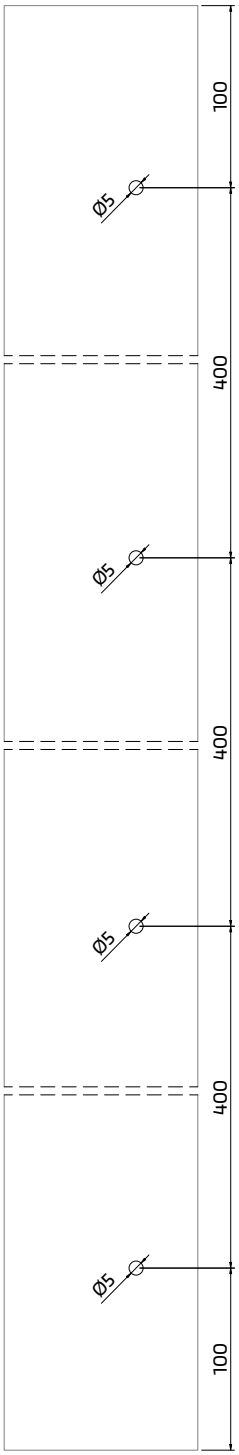

JT 07




JT 08



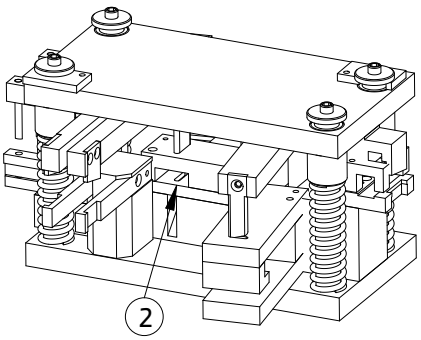

JT 09

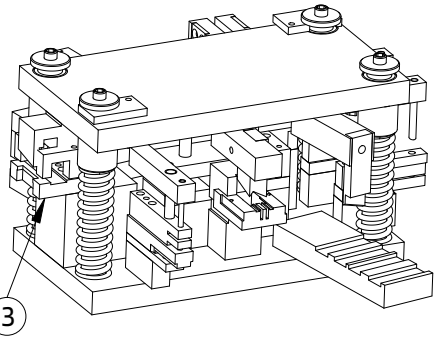


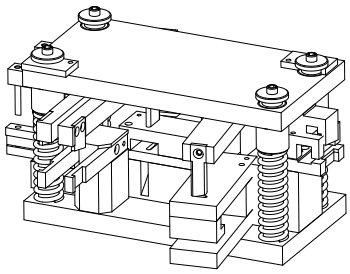
## MAQUINAÇÃO DOS PERFIS PERFIL PVC "T" E "U" JT
PVC "T" AND "U" JT PROFILES MACHINING
USINAGE DES PROFILÉS EN PVC "T" ET "U" JT

Saída de águas
Water drainage
Sortie des eaux

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

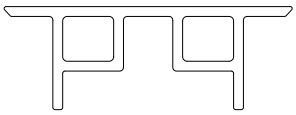


Para os perfis JT 12, 13, 14, 15, 25, 33 e 34

**408062** CORTANTE JT - AROS PT



**Perfil opcional para melhoramento térmico**
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

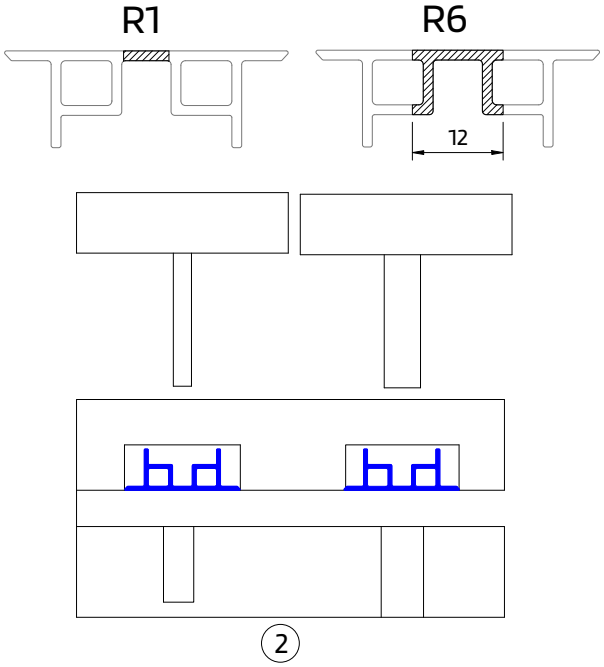
**215303** PERFIL PVC T JT



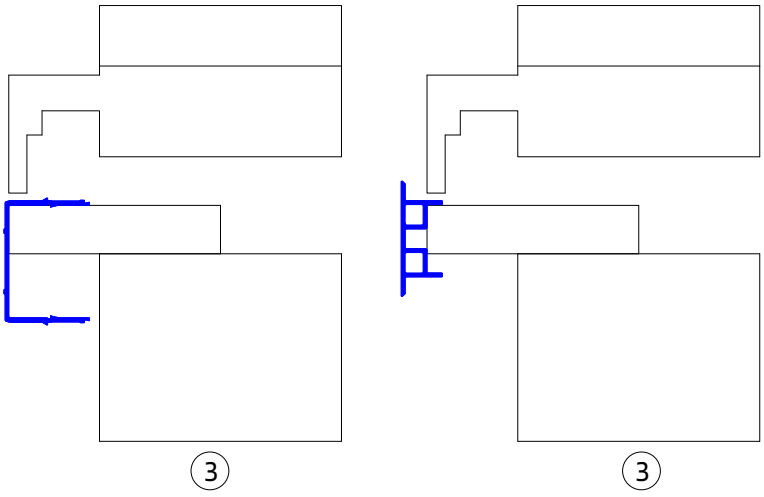
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

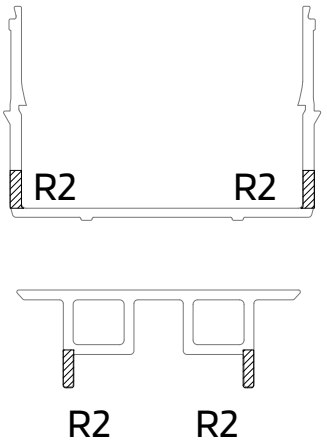
**215305** PERFIL PVC U JT

Rasgo | Hole | Rainure R1: 6x30mm
Furo | Hole | Trou R6: Ø12mm



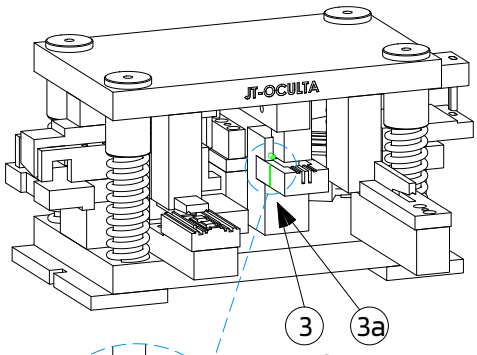

Rasgo | Hole | Rainure R2: 5x30mm



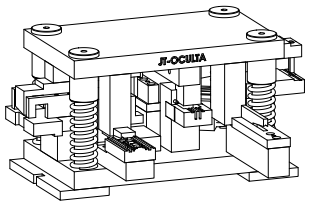



## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT
JT MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT

Corte, entalhes e aplicação das capas JT77 e JT91.
Cutting, milling and applying the JT77 and JT91 cover profiles.
Découpe, fraisage et application des capots JT77 et JT91.

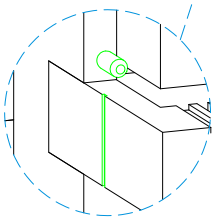



Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

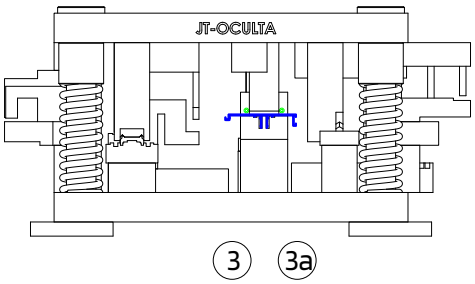



Para a linha Oculta, monorail e galandage PT

**408075** CORTANTE JT-OCULTA



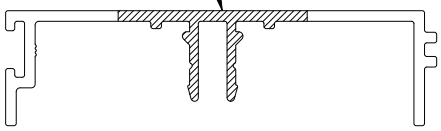
Para fazer o rasgo de 25x13mm , alinhar os perfis pela marca.
To make the 25 x 13 mm cut, align the profiles with the mark.
Pour réaliser la découpe de 25 x 13 mm, alignez les profilés sur le repère.




Maquinação A
O rasgo de 7.5x27mm (Maquinação A), será feito manualmente.
The 7.5x27mm slot (machining A) will be cut by hand.
L'encoche de 7,5x27mm (usinage A) sera réalisée manuellement.

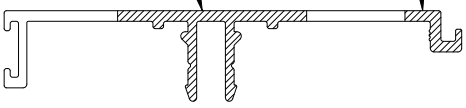
Maquinação B

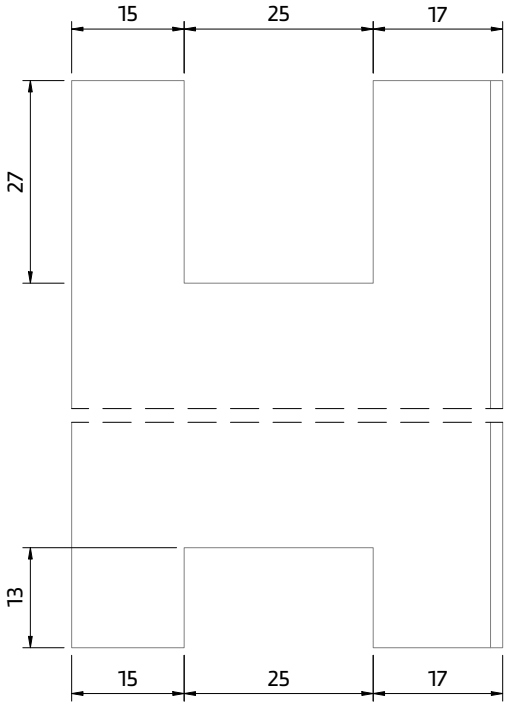
JT 91
Capa
Cover | Capot

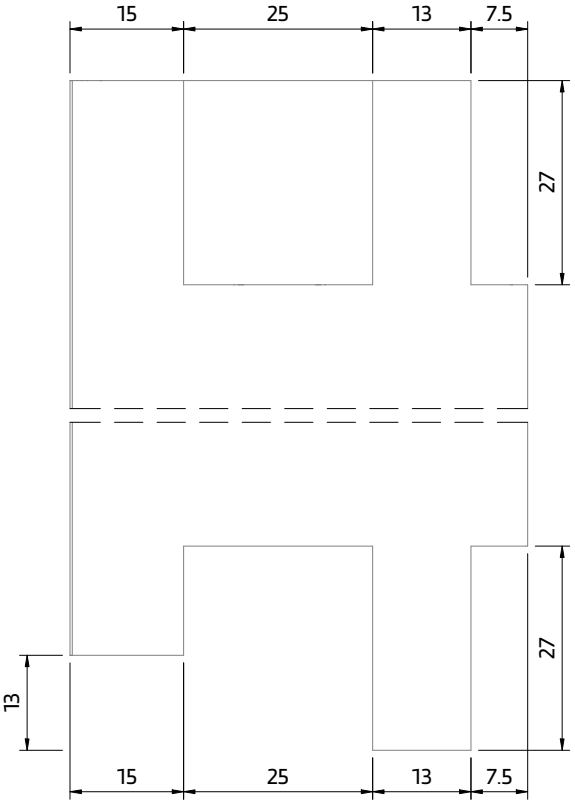


Maquinação B

JT 77
Capa
Cover | Capot



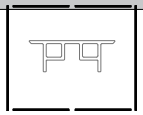
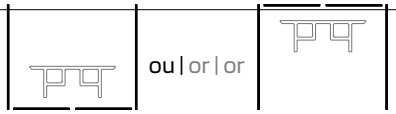


## MAQUINAÇÕES DE PERFIS DE CAPA
COVER PROFILES MACHINING
USINAGE DES PROFILÉS DE CAPOT

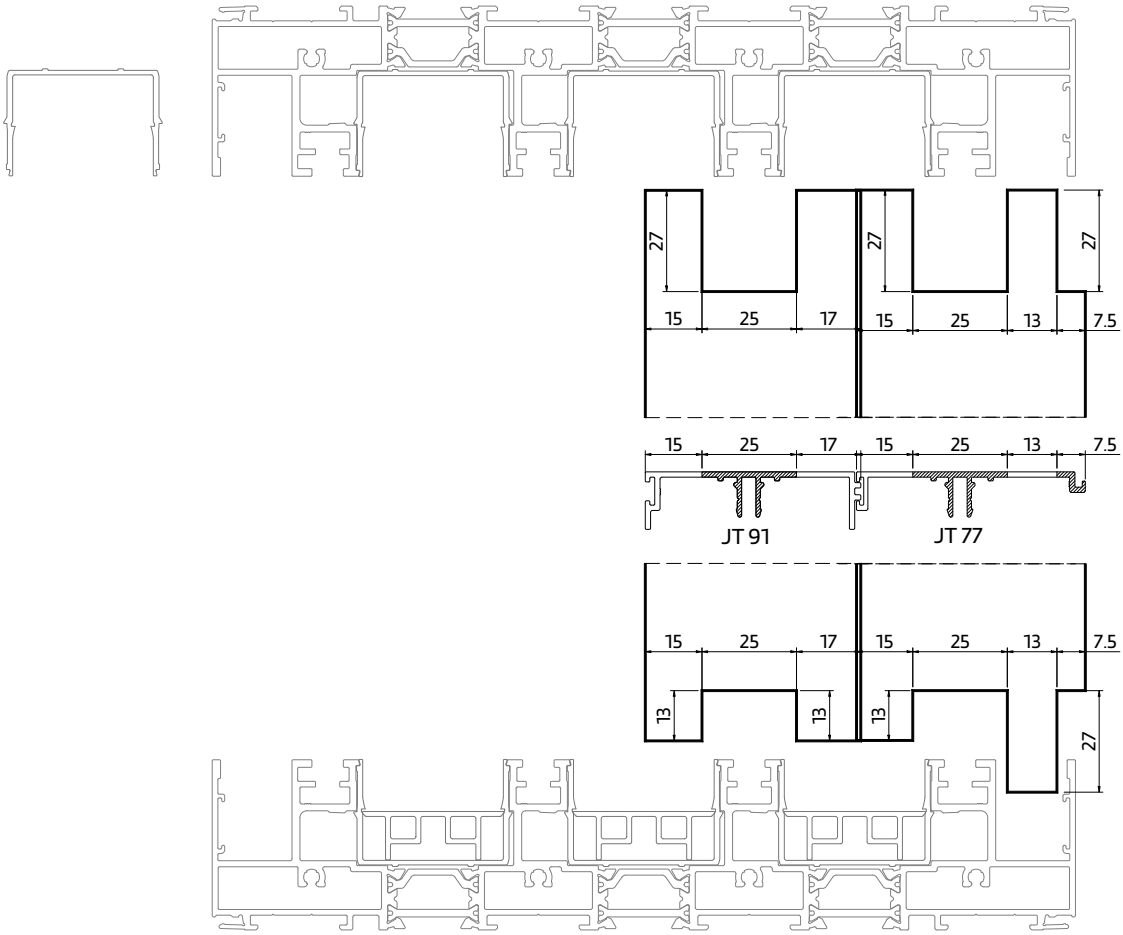
1 - Corte, entalhes e aplicação das capas JT77 e JT91
Cutting, milling and applying the JT77 and JT91 cover profiles
Découpe, fraisage et application des capots JT77 et JT91

1.1 - Medidas de corte. A medida de corte dos perfis de capa varia consoante a aplicação ou não do perfil PVC T:
Cutting measures. Cover profiles cutting measure varies depending on the application or not of the T PVC profile:
Mesures de coupe. La mesure de la coupe du profilés de capot varie selon que le profil PVC T est appliqué ou non:

| **Situação** Situation \| Situation | **Medidas de Corte** Cutting measures \| Mesures de coupe — Aros \| Frames \| Cadre **PT** | | **Esquema de aplicação** Application scheme \| Schéma d'application |
|---|---|---|---|
| | JT 90 | JT 91 | |
| Perfis PVC T aplicados: cima **e** baixo<br>T PVC profiles applied: top **and** bottom<br>Profilés en PVC T appliqués: haut **et** bas | H - 38 | H - 65 |  |
| Perfis PVC T aplicados: cima **ou** baixo<br>T PVC profiles applied: top **or** bottom<br>Profilés en PVC T appliqués: haut **ou** bas | | H - 51 |   |
| Caixilho sem aplicação de perfis PVC T<br>Frame without T PVC profiles applied<br>Cadre sans application de profilés PVC T | | H - 38 | |

1.2 - Maquinação dos perfis.
Profiles machining.
Usinage des profilés.

1.2.1- 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.
Lorsqu'ils sont appliqués verticalement, les profilés nécessitent un usinage selon les schémas ci-dessous, aux deux extrémités.

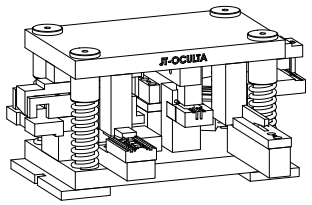



Quando aplicados na horizontal, o corte destes perfis deverá ser reto e sem maquinações.
When applied horizontally, the cut of these profiles should be straight and without machining.
Lorsqu'ils sont appliqués horizontalement, la coupe de ces profilés doit être rectiligne et sans usinage.

## MAQUINAÇÕES DO PERFIL JT 49
JT 49 PROFILE MACHINING
USINAGE DE PROFILÉ JT 49

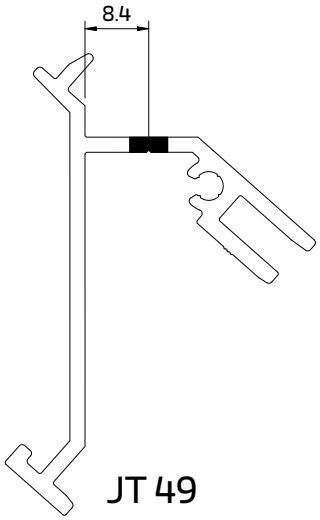
**Peças com 400mm, aplicadas aproximadamente a cada 800mm**
Pieces 400mm long, applied approximately every 800mm
Pièces de 400 mm, appliquées à environ tous les 800 mm

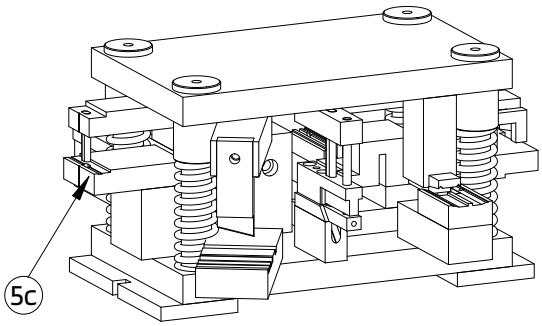
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

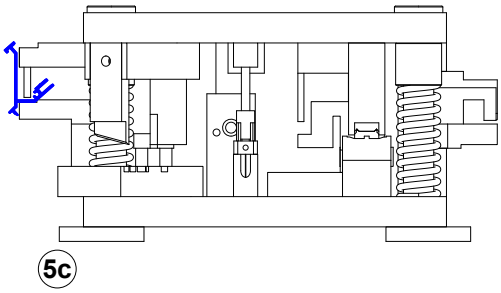


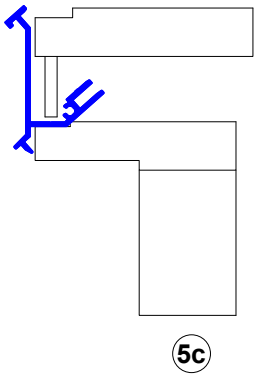

Para a linha Oculta, monorail e galandage PT

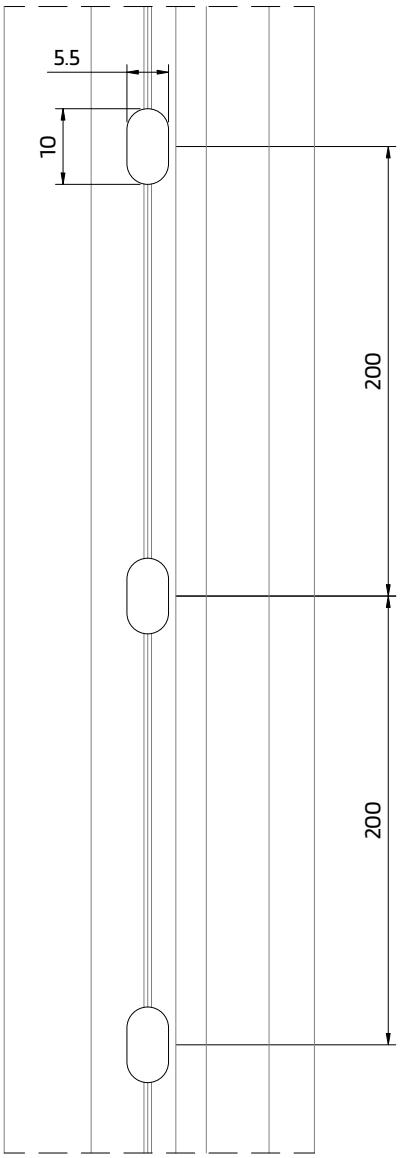
**408075** CORTANTE JT-OCULTA



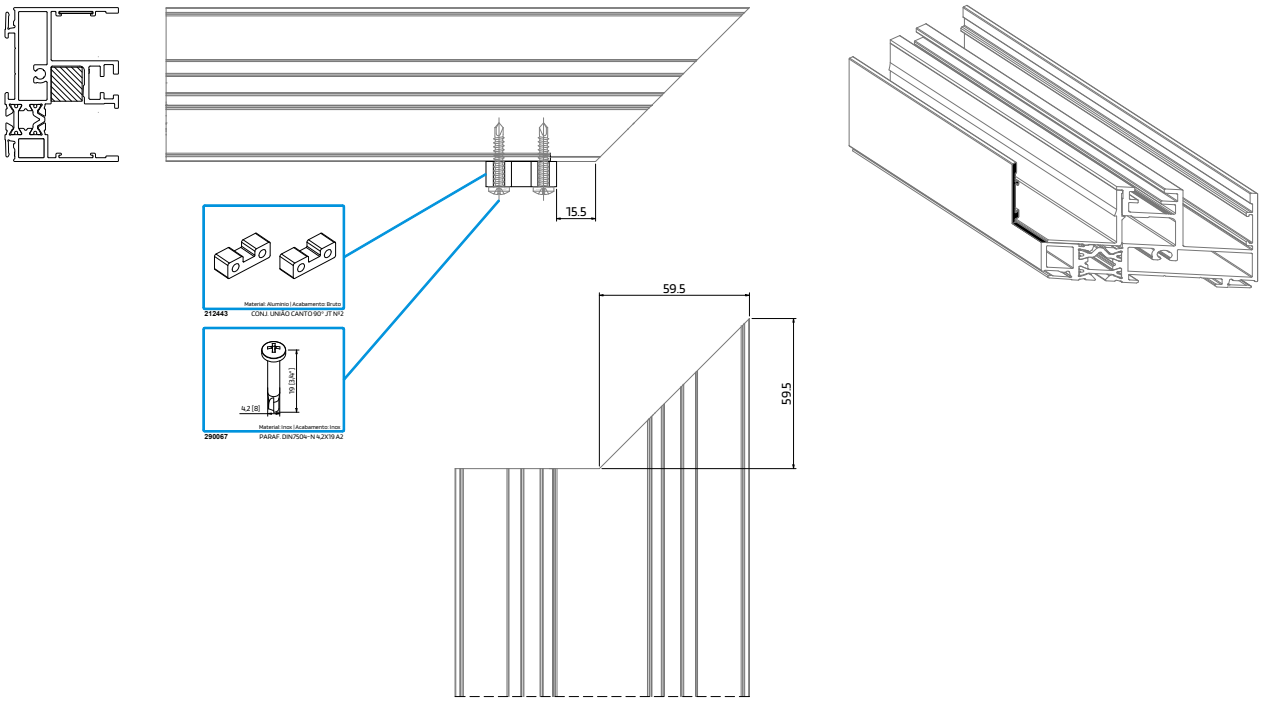



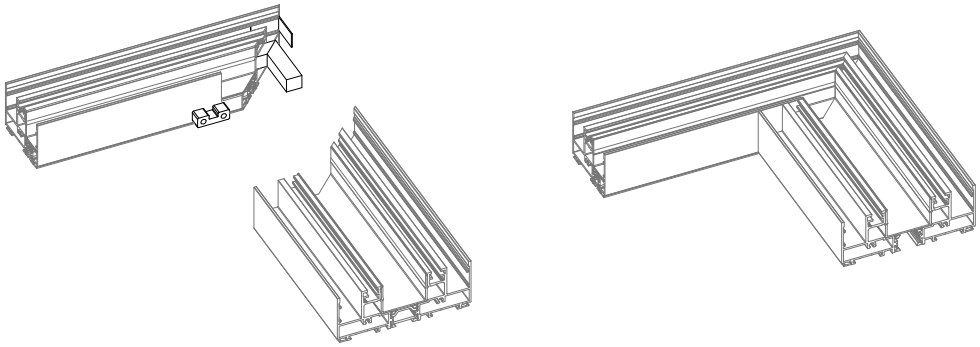



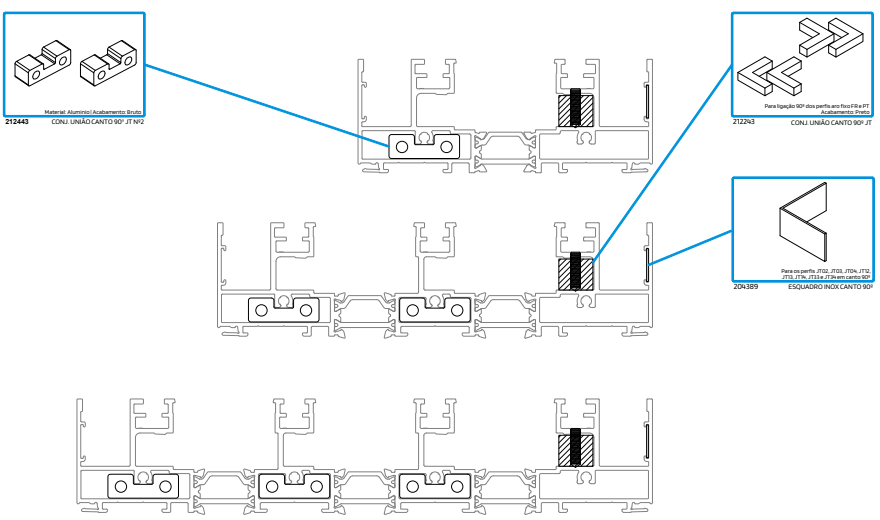



## MAQUINAÇÃO DO PERFIL ARO FIXO MONORAIL (CORTE 45º)
FIXED FRAME MONRAIL PROFILE MACHINING (45º CUT)
USINAGE DU PROFIL DORMANT MONORAIL (COUPE 45º)

**Maquinação realizada manualmente**
Manual Machining
Usinage manuel

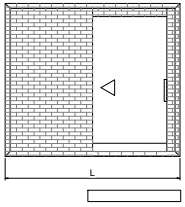


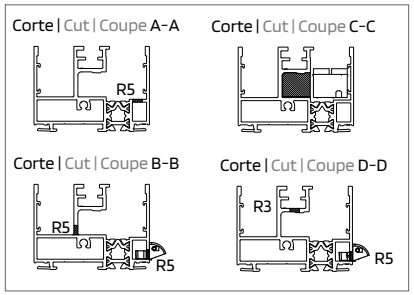



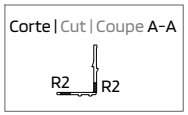


## DRENAGENS POR TIPOLOGIA
DRAINAGE BY FRAME TYPOLOGY
DRAINAGE PAR TYPOLOGIE

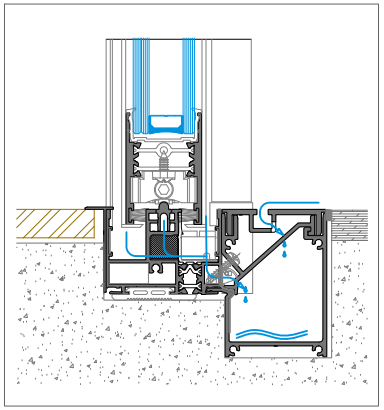
Pormenores de drenagem para o perfil de aro fixo **PT** monorail e perfil de PVC, para tipologia de 1 folha.
Drainage detail of fixed monorail **PT** frame profil and PVC profil, for 1 sash typologie.
Détails de drainage pour profil dormant **PT** monorail et profil PVC, pour le typologie à 1 vantail.

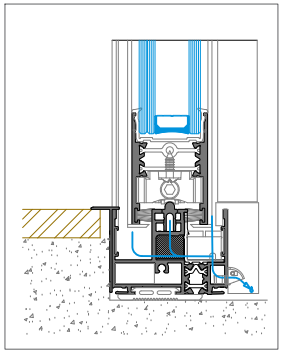


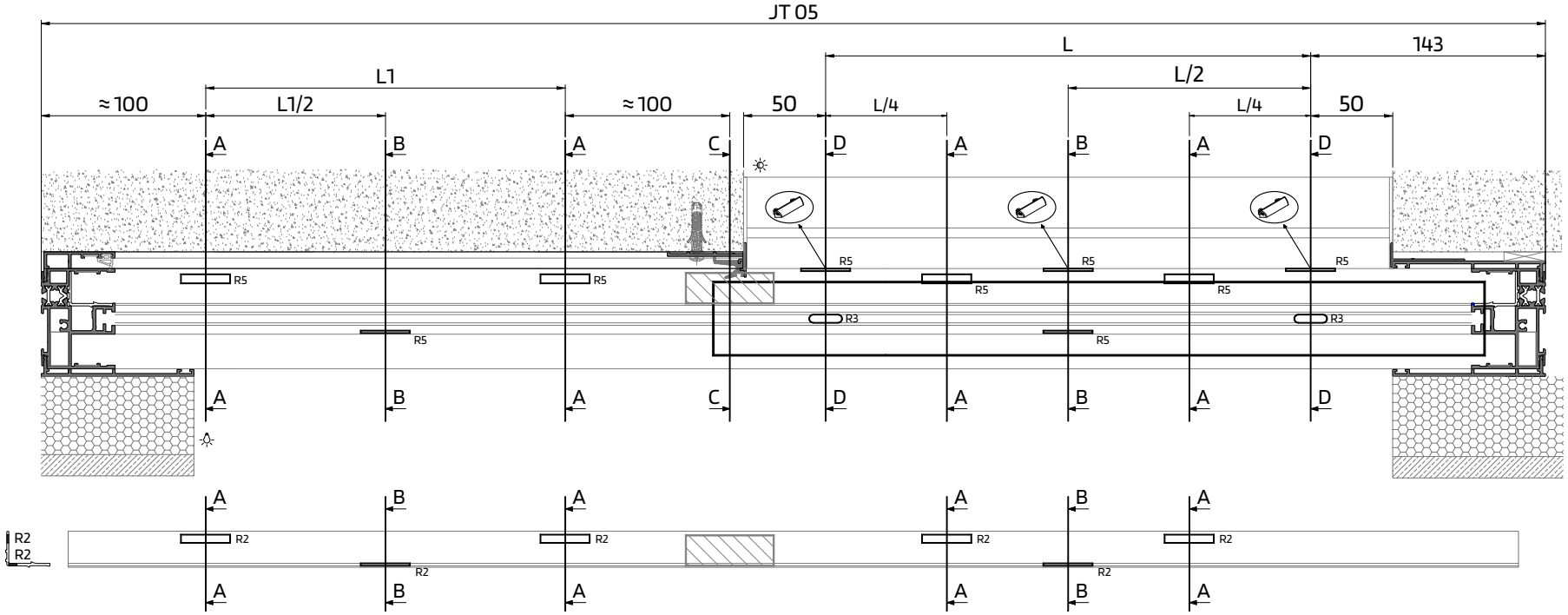




**R2:** Rasgo | Hole | Rainure 5x30mm
**R3:** Rasgo | Hole | Rainure 5x20mm
**R5:** Rasgo | Hole | Rainure 5x30mm

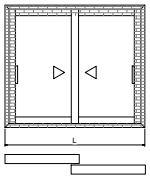


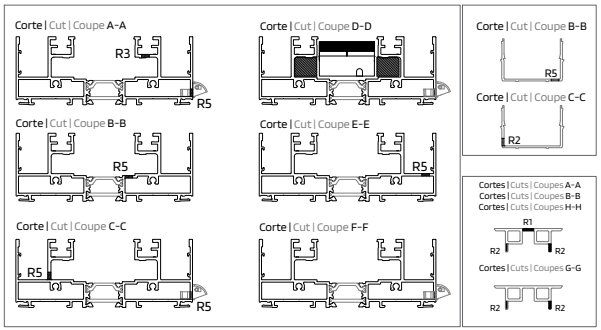




# DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

Pormenores de drenagem para os perfis de aro fixo **PT** 2rail e perfis de PVC, para tipologias de 2 folhas. **Seguir este procedimento em todos os perfis aro fixo PT 2rail.**
Drainage details of fixed 2rail **PT** frame profiles and PVC profiles, for 2 sashes typologies. **Follow this procedure in all 2rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 2rail et profilés PVC, pour les typologies à 2 vantaux. **Suiver cette procédure sur tous les profilés dormant PT 2rail.**

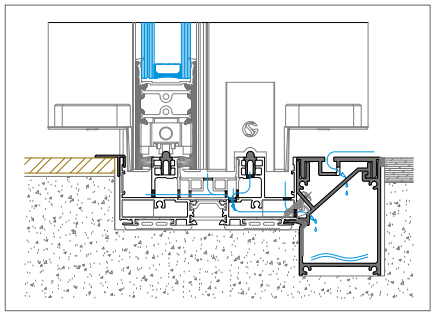


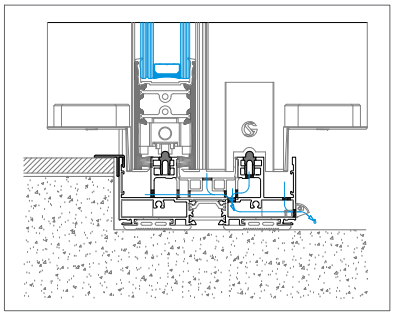


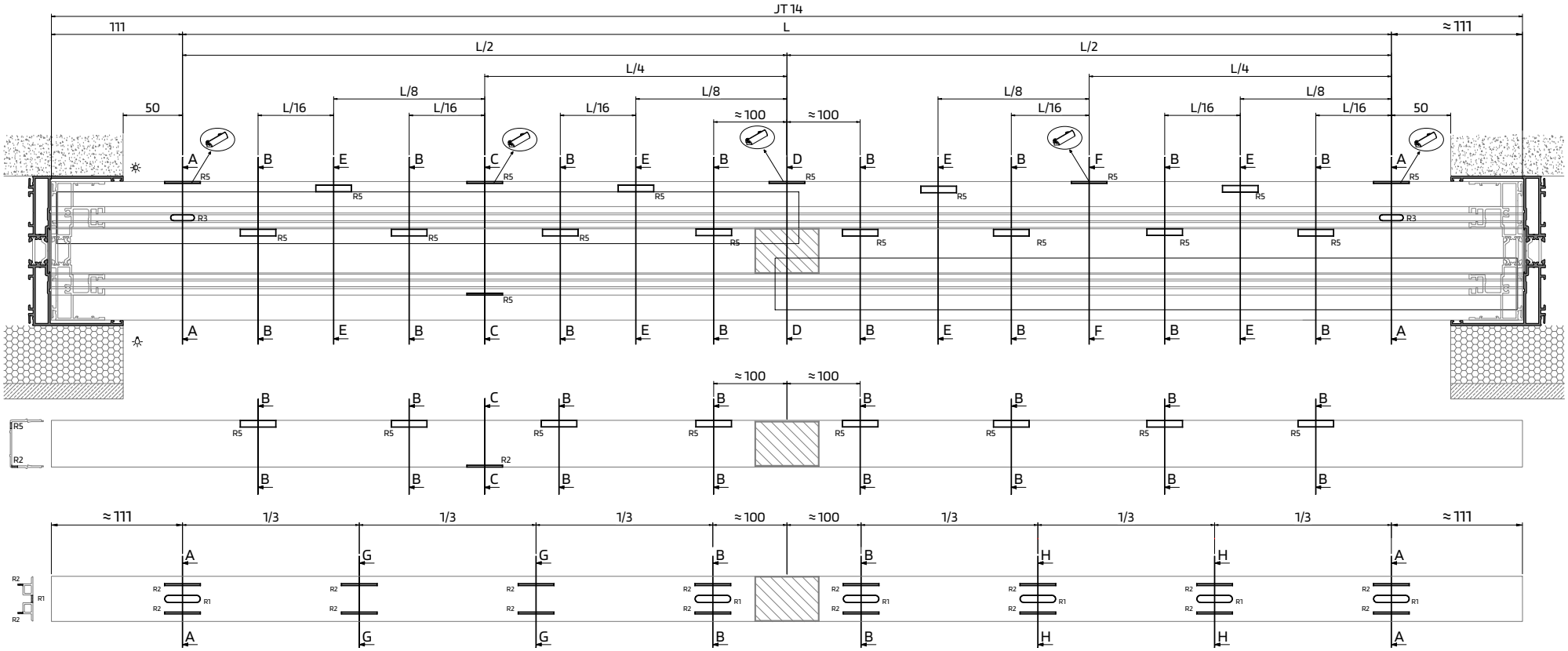




**R1:** Rasgo | Hole | Rainure 6x30mm
**R2:** Rasgo | Hole | Rainure 5x30mm
**R3:** Rasgo | Hole | Rainure 5x20mm
**R5:** Rasgo | Hole | Rainure 5x30mm

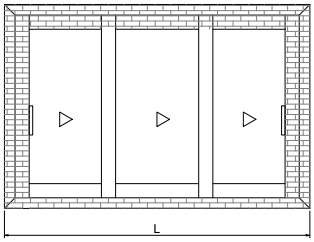


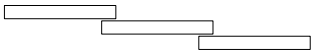


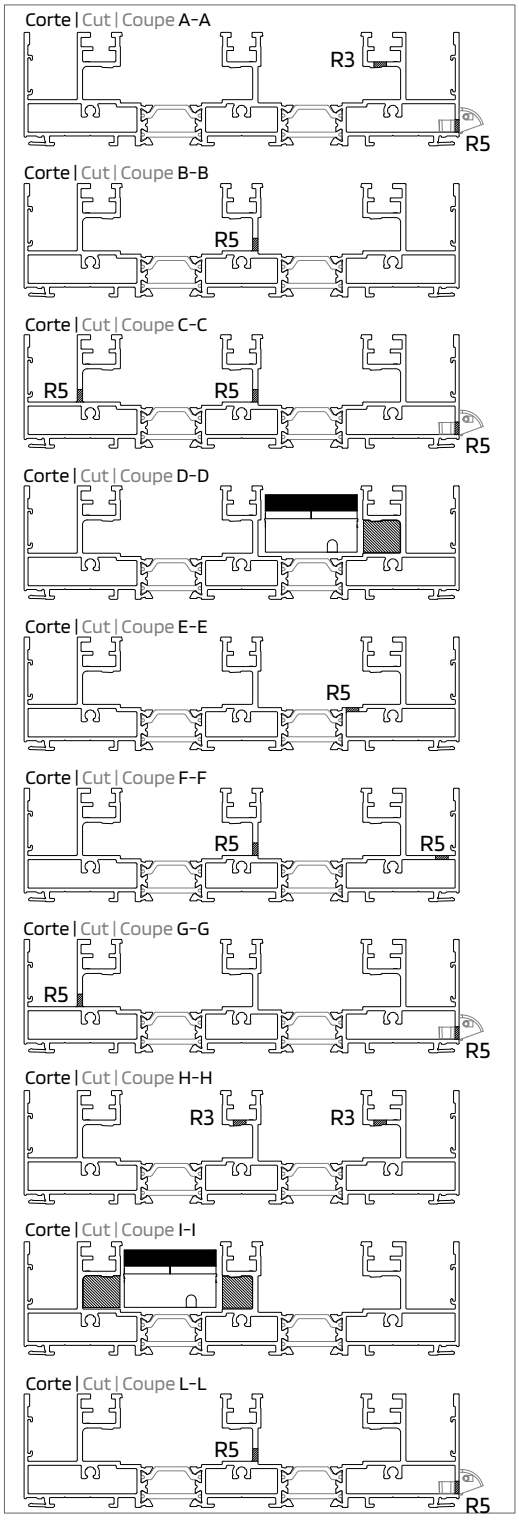


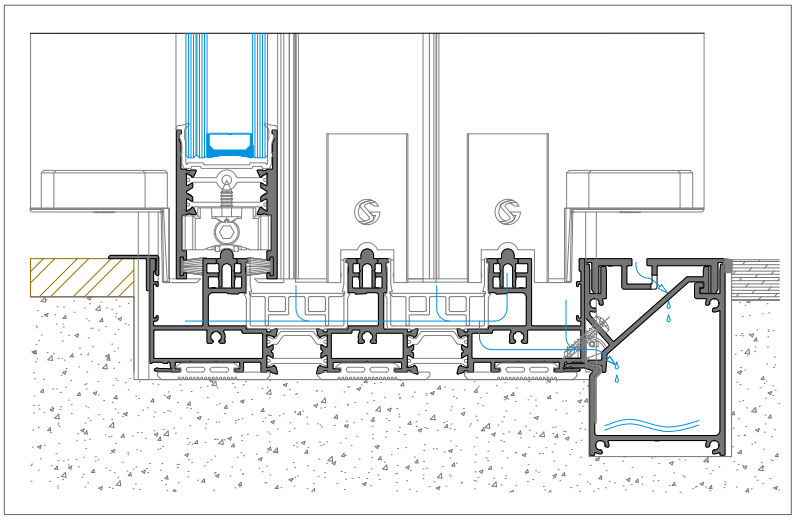
## DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

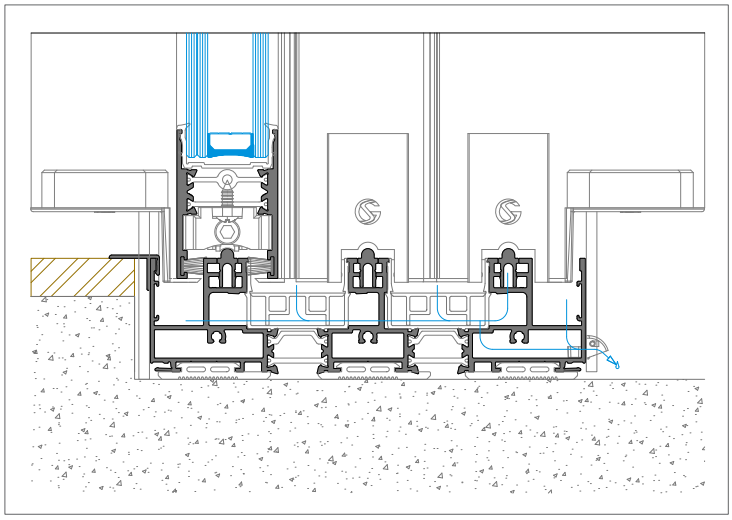
Pormenores de drenagem para os perfis de aro fixo **PT** 3rail e perfis de PVC, para tipologias de 3 folhas. **Seguir este procedimento em todos os perfis aro fixo PT 3rail.**
Drainage details of fixed 3rail **PT** frame profiles and PVC profiles, for 3 sashes typologies. **Follow this procedure in all 3rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 3rail et profilés PVC, pour les typologies à 3 vantaux. **Suiver cette procédure sur tous les profilés dormant PT 3rail.**



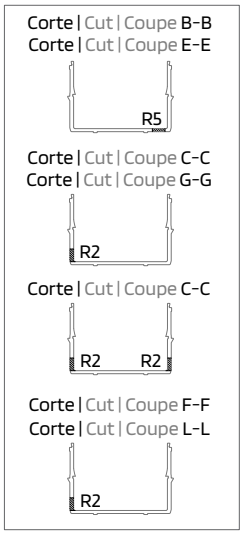



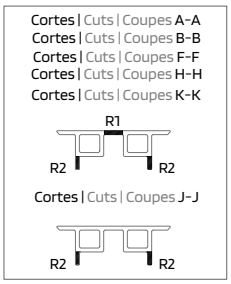




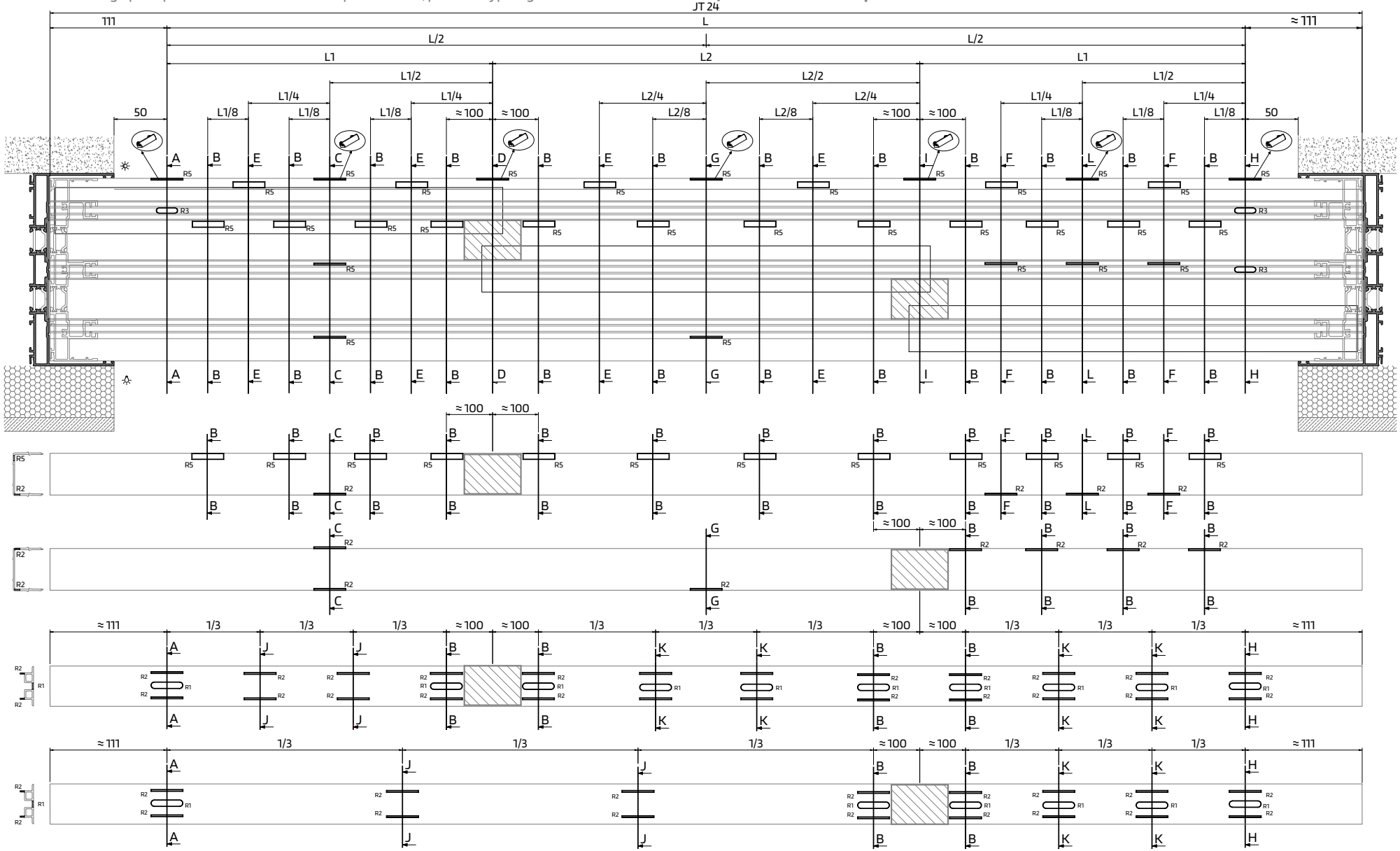
**R1:** Rasgo | Hole | Rainure 6x30mm
**R2:** Rasgo | Hole | Rainure 5x30mm
**R3:** Rasgo | Hole | Rainure 5x20mm
**R5:** Rasgo | Hole | Rainure 5x30mm



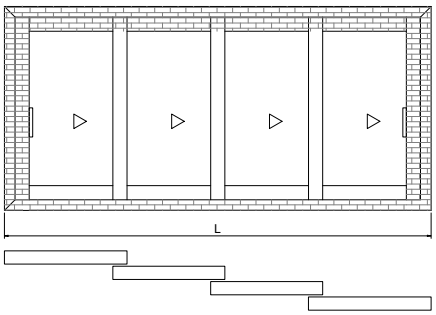
# DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

Pormenores de drenagem para os perfis de aro fixo **PT** 3rail e perfis de PVC, para tipologias de 3 folhas. **Seguir este procedimento em todos os perfis aro fixo PT 3rail.**
Drainage details of fixed 3rail **PT** frame profiles and PVC profiles, for 3 sashes typologies. **Follow this procedure in all 3rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 3rail et profilés PVC, pour les typologies à 3 vantaux. **Suiver cette procédure sur tous les profilés dormant PT 3rail.**



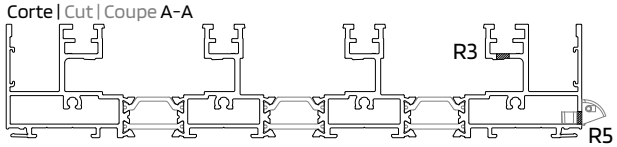
## DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

Pormenores de drenagem para os perfis de aro fixo **PT** 4rail e perfis de PVC, para tipologias de 4 folhas. **Seguir este procedimento em todos os perfis aro fixo PT 4rail.**
Drainage details of fixed 4rail **PT** frame profiles and PVC profiles, for 4 sashes typologies. **Follow this procedure in all 4rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 4rail et profilés PVC, pour les typologies à 4 vantaux. **Suiver cette procédure sur tous les profilés dormant PT 4rail.**

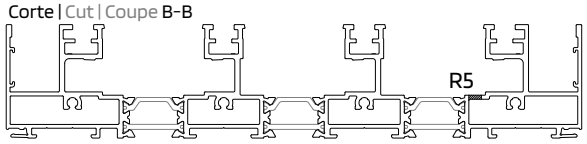



**R1:** Rasgo | Hole | Rainure 6x30mm
**R2:** Rasgo | Hole | Rainure 5x30mm
**R3:** Rasgo | Hole | Rainure 5x20mm
**R5:** Rasgo | Hole | Rainure 5x30mm

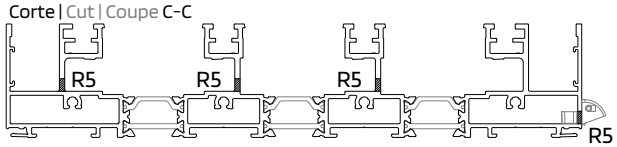
Corte | Cut | Coupe A-A



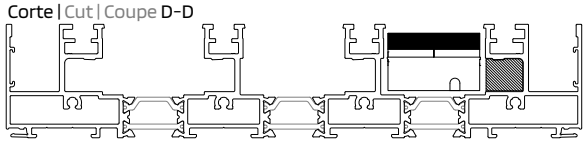

Corte | Cut | Coupe B-B



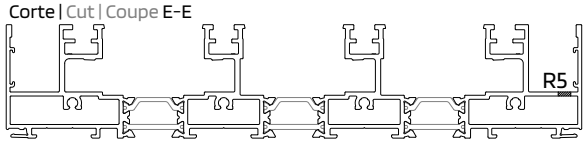

Corte | Cut | Coupe C-C



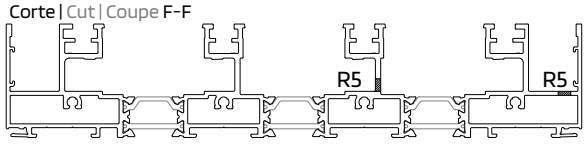

Corte | Cut | Coupe D-D



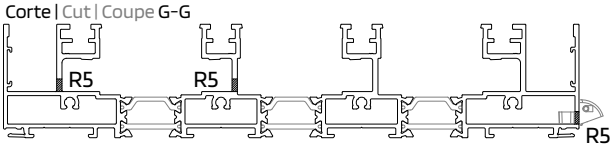
Corte | Cut | Coupe E-E



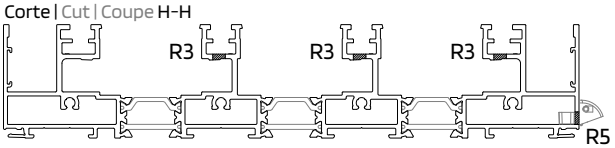

Corte | Cut | Coupe F-F



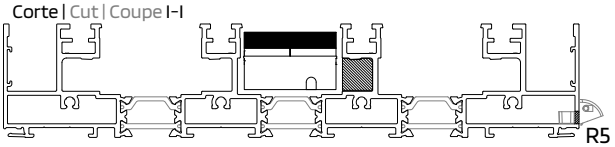

Corte | Cut | Coupe G-G



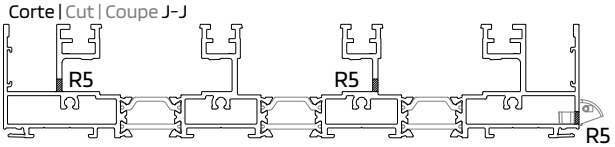

Corte | Cut | Coupe H-H



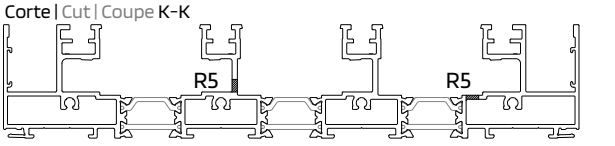

Corte | Cut | Coupe I-I



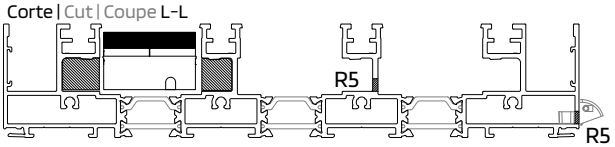

Corte | Cut | Coupe J-J



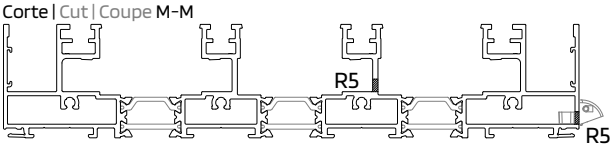

Corte | Cut | Coupe K-K



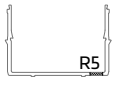

Corte | Cut | Coupe L-L



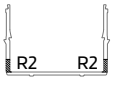

Corte | Cut | Coupe M-M



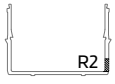

Corte | Cut | Coupe B-B
Corte | Cut | Coupe K-K



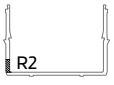

Corte | Cut | Coupe C-C
Corte | Cut | Coupe G-G



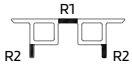

Corte | Cut | Coupe F-F
Corte | Cut | Coupe J-J
Corte | Cut | Coupe L-L
Corte | Cut | Coupe M-M



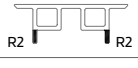

Corte | Cut | Coupe J-J
Corte | Cut | Coupe K-K




Cortes | Cuts | Coupes A-A
Cortes | Cuts | Coupes B-B
Cortes | Cuts | Coupes H-H
Cortes | Cuts | Coupes K-K
Cortes | Cuts | Coupes P-P

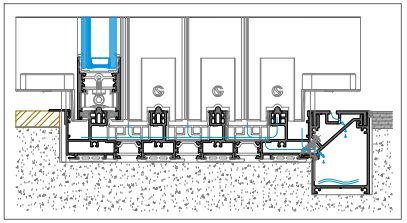


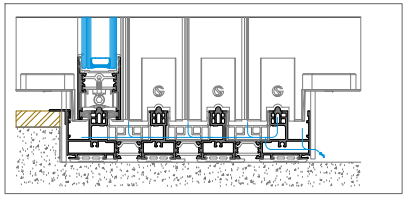

Cortes | Cuts | Coupes N-N

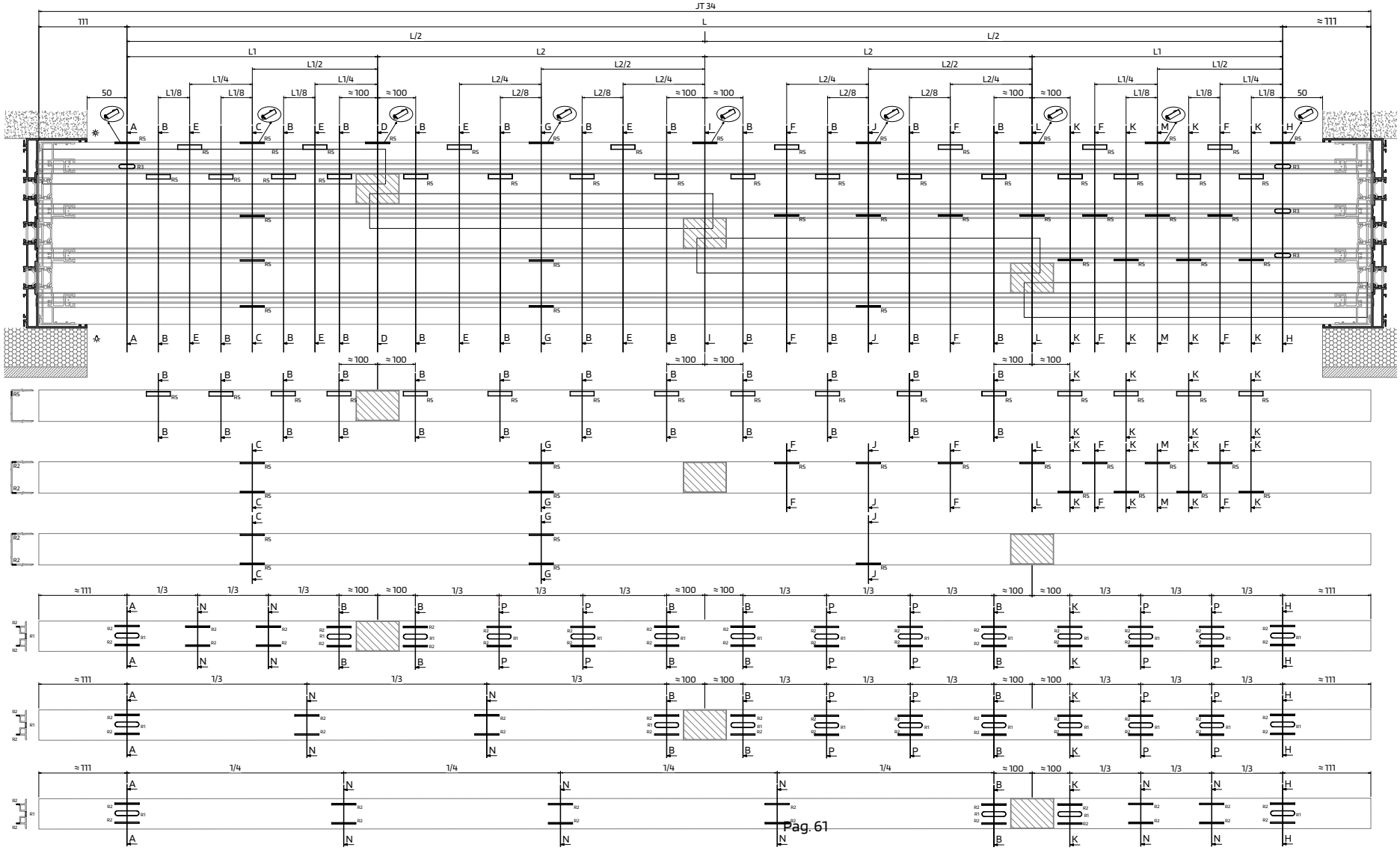


# DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

Pormenores de drenagem para os perfis de aro fixo **PT** 4rail e perfis de PVC, para tipologias de 4 folhas.
**Seguir este procedimento em todos os perfis aro fixo PT 4rail.**
Drainage details of fixed 4rail **PT** frame profiles and PVC profiles, for 4 sashes typologies.
**Follow this procedure in all 4rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 4rail et profilés PVC, pour les typologies à 4 vantaux.
**Suiver cette procédure sur tous les profilés dormant PT 4rail.**

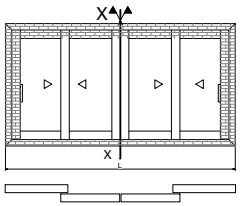




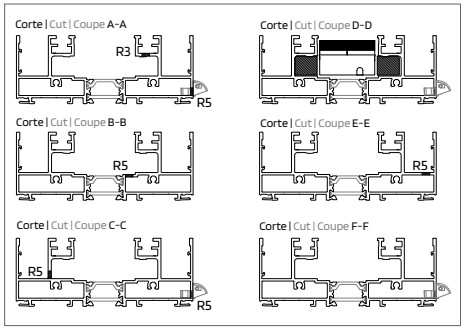


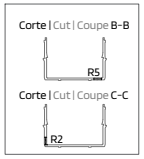
# DRENAGENS POR TIPOLOGIA
## DRAINAGE BY FRAME TYPOLOGY
## DRAINAGE PAR TYPOLOGIE

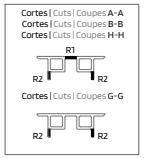
Pormenores de drenagem para os perfis de aro fixo **PT** 2rail e perfis de PVC, para tipologias de 4 folhas. **Seguir este procedimento em todos os perfis aro fixo PT 2rail.**
Drainage details of 2rail fixed **PT** frame profiles and PVC profiles, for 4 sashes typologies. **Follow this procedure in all 2rail PT fixed frame profiles.**
Détails de drainage pour profilés dormant **PT** 2rail et profilés PVC, pour les typologies à 4 vantaux. **Suiver cette procédure sur tous les profilés dormant PT 2rail.**

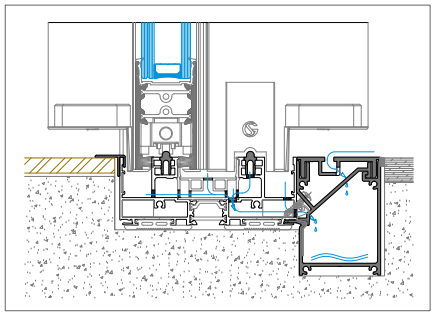


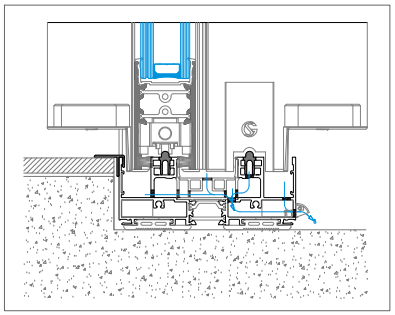

**R1:** Rasgo | Hole | Rainure 6x30mm
**R2:** Rasgo | Hole | Rainure 5x30mm
**R3:** Rasgo | Hole | Rainure 5x20mm
**R5:** Rasgo | Hole | Rainure 5x30mm

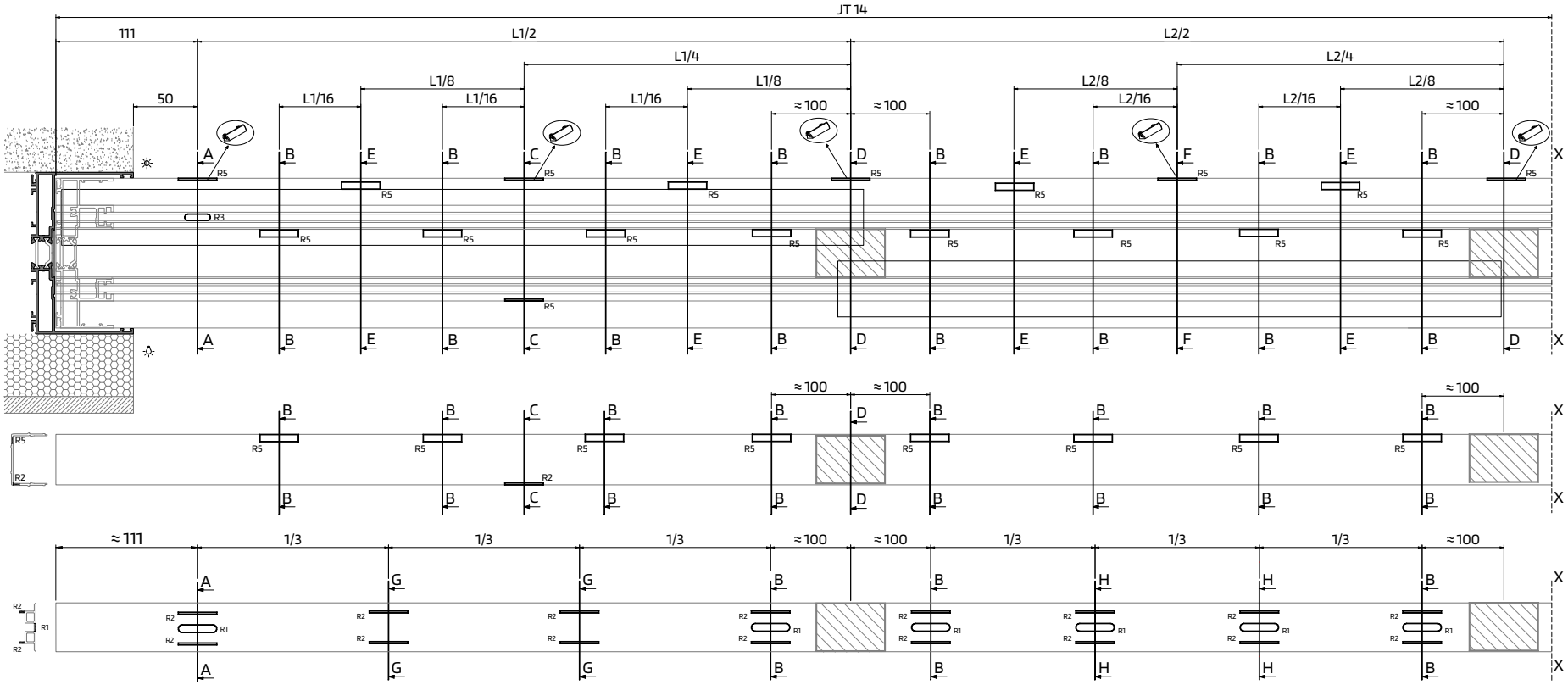


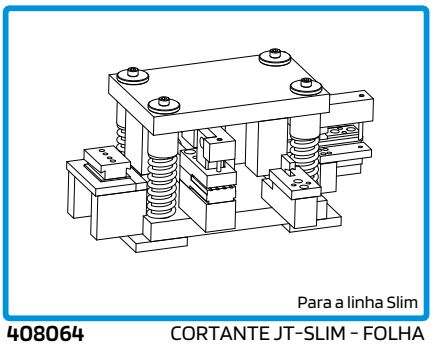





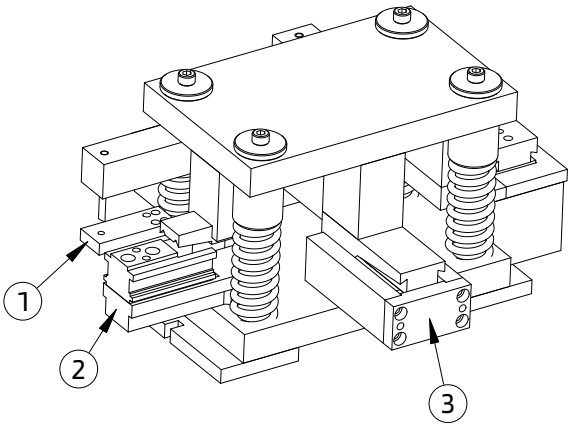


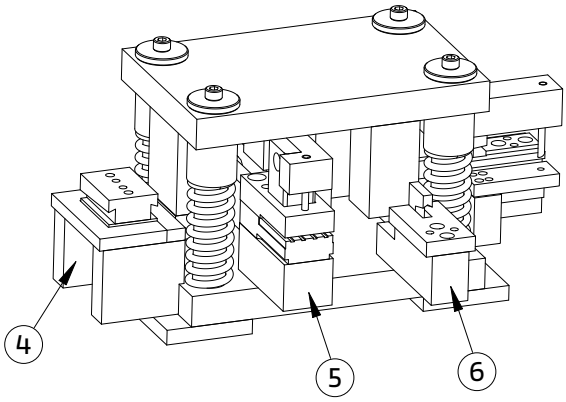
# V.2

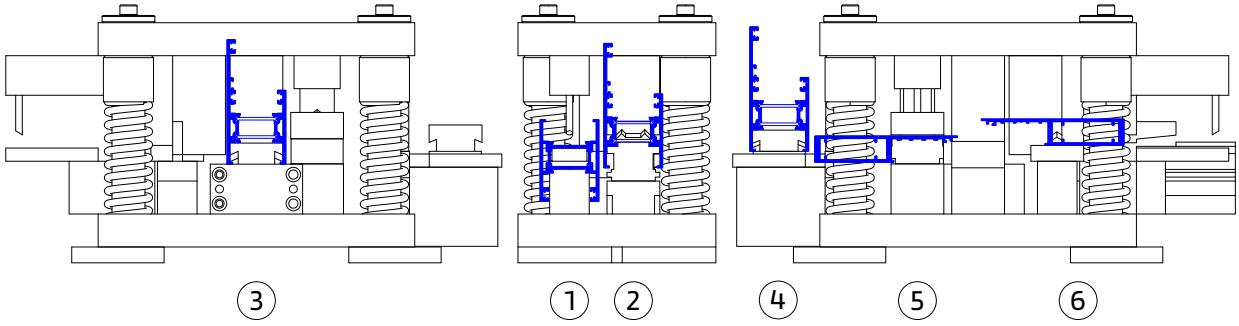
Maquinações e fresagens em aros móveis
Mobile frames machinings and millings | Usinages et fraisages en ouvrants



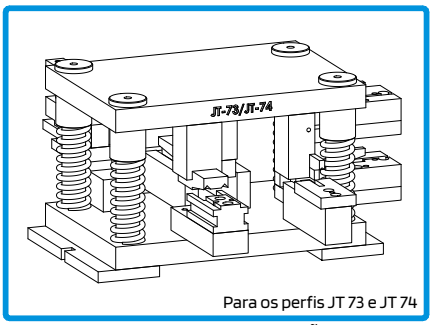

**408064** CORTANTE JT-SLIM - FOLHA



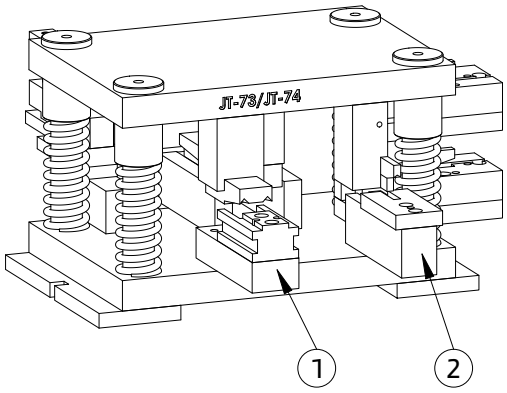



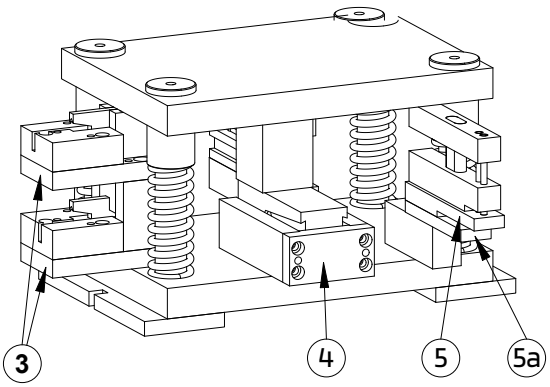



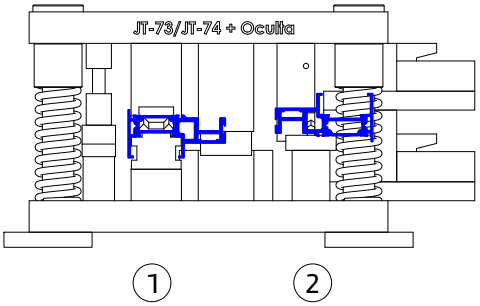

1. Maquinação de Furo
   *Perfis: JT-60*
2. Maquinação de Rasgo
   *Perfis: JT-60*
3. Corte 1ª Alma Perfil
   *Perfis: JT-55;56;60*
4. Corte 1ª Alma Travessa Central
   *Perfis: JT-55;56;70*
5. Maquinação Perfil
   *Perfis: JT-55;56*
6. Maquinação de Rasgo n\ Tubular
   *Perfis: JT-56*

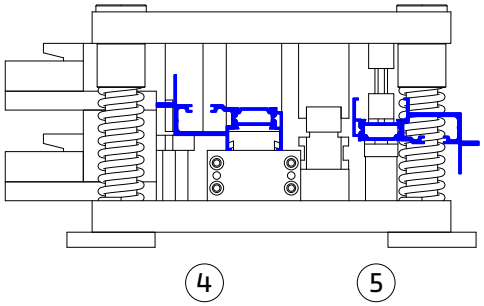



**408068** CORTANTE JT - LIGAÇÃO 2 FOLHAS

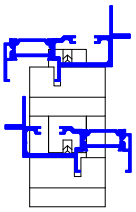


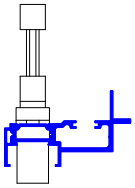




1. Maquinação de Rasgo para Carrinho
   *Perfis: JT-73; 74*
2. Maquinação de Rasgo no Tubular
   *Perfis: JT-73; 74*
3. Maquinação de Rasgo no Tubular
   *Perfis: JT-73; 74*
4. Maquinação de Corte 1ª Alma
   *Perfis: JT-73; 74*
5a. Maquinação de Furos para Carrinho
   *Perfis: JT-73; 74*
5. Maquinação de Rasgo para Carrinho
   *Perfis: JT-73; 74*



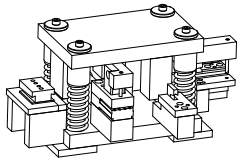
3



5a

## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

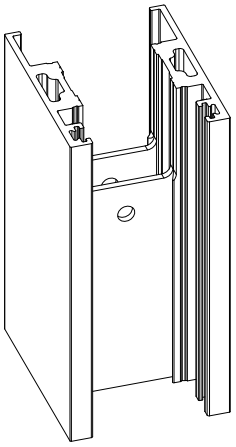
### 1 - Fresagem dos perfis laterais para colocação dos topos laterais inferiores e superiores.
Lateral profiles milling for placing the lateral upper and lower end-caps.
Fraisage des profilés latéraux pour placer les embouts latéraux inférieurs et supérieurs.

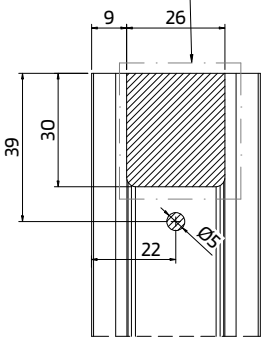


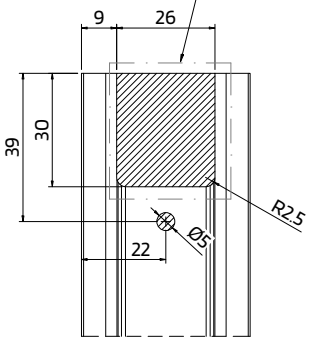

**408064** CORTANTE JT-SLIM - FOLHA

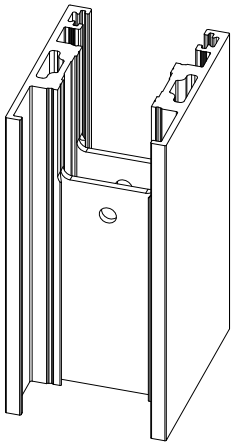
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

2ª operação - Ponto 2
2nd operation - performed on Punching tool - Point 2
2ème opération - réalisée dans l'Outil - Point 2

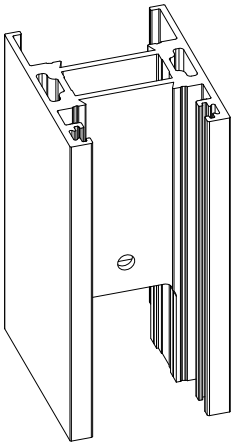


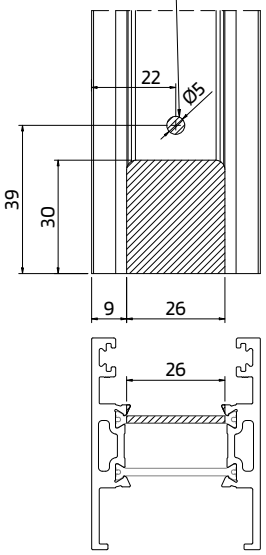


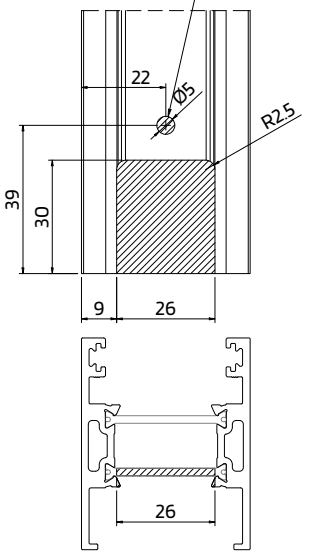



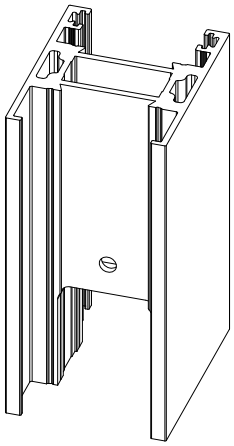



1ª operação - Ponto 1
1nd operation - performed on Punching tool - Point 1
1ème opération - réalisée dans l'Outil - Point 1



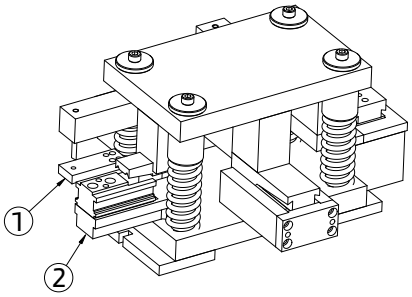


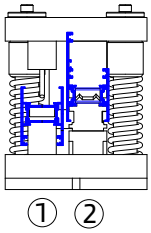



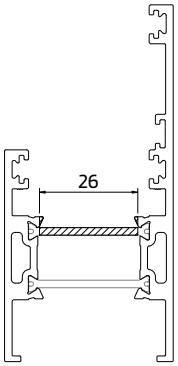



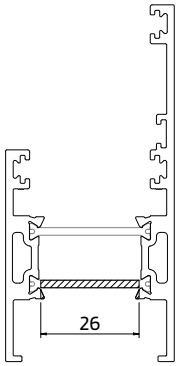
JT 60
Perfil Lateral
Lateral profile | Profilé latéral

JT 60
Perfil Lateral
Lateral profile | Profilé latéral



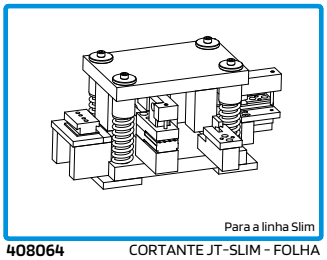




JT 70
Perfil lateral canto 90º
90º Corner lateral profile | Profilé latéral d'angle à 90º

JT 70
Perfil lateral canto 90º
90º Corner lateral profile | Profilé latéral d'angle à 90º

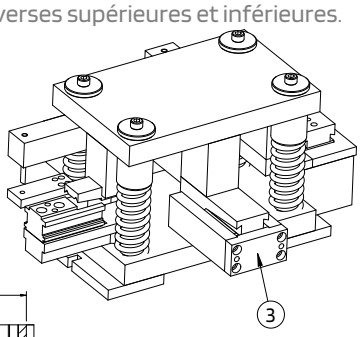
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

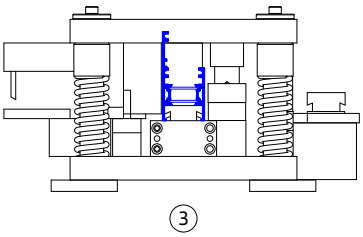
### 2 - Fresagem dos perfis laterais para colocação das travessas superior e inferior.
Lateral profiles milling for placing the upper and lower transoms.
Fraisage des profilés latéraux pour la mise en place des traverses supérieures et inférieures.



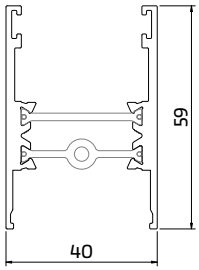

**408064** CORTANTE JT-SLIM - FOLHA

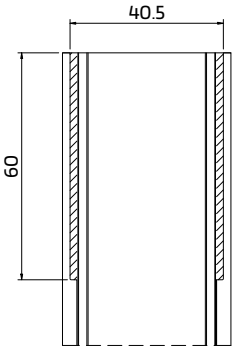
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

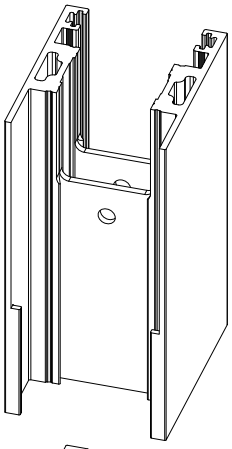


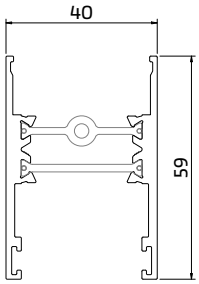



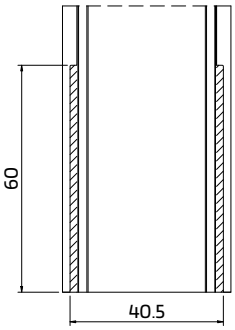

JT 69
Travessa superior
Upper transom | Traverse supérieur

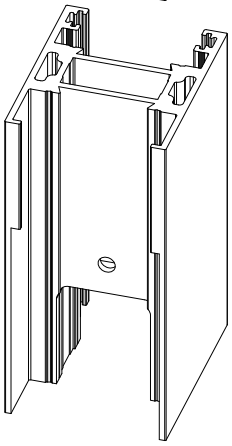


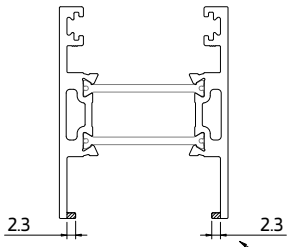





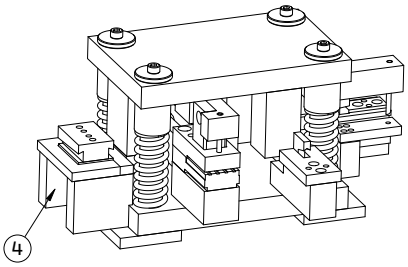
JT 69
Travessa inferior
Lower transom | Traverse inférieur

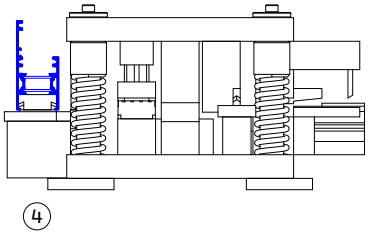


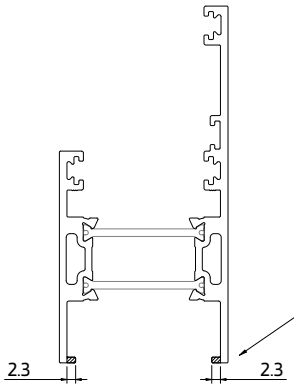

JT 60
Perfil Lateral
Lateral profile | Profilé latéral

É muito importante que esta maquinação seja feita depois da maquinação para os topos.
It is very important that this machining is done after the end-caps machining.
Il est très important que cet usinage se fasse après l'usinage des embouts.

**3ª operação - Ponto 3**
3th operation - performed on Punching tool - Point 3
3ème opération - réalisée dans l'Outil - Point 3



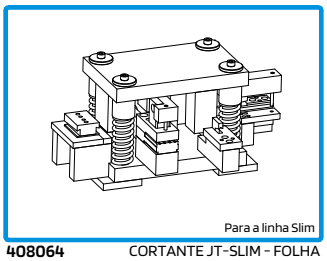




JT 70
Perfil lateral canto 90º
90º Corner lateral profile | Profilé latéral d'angle à 90º

**3ª operação - Ponto 4**
3th operation - performed on Punching tool - Point 4
3ème opération - réalisée dans l'Outil - Point 4

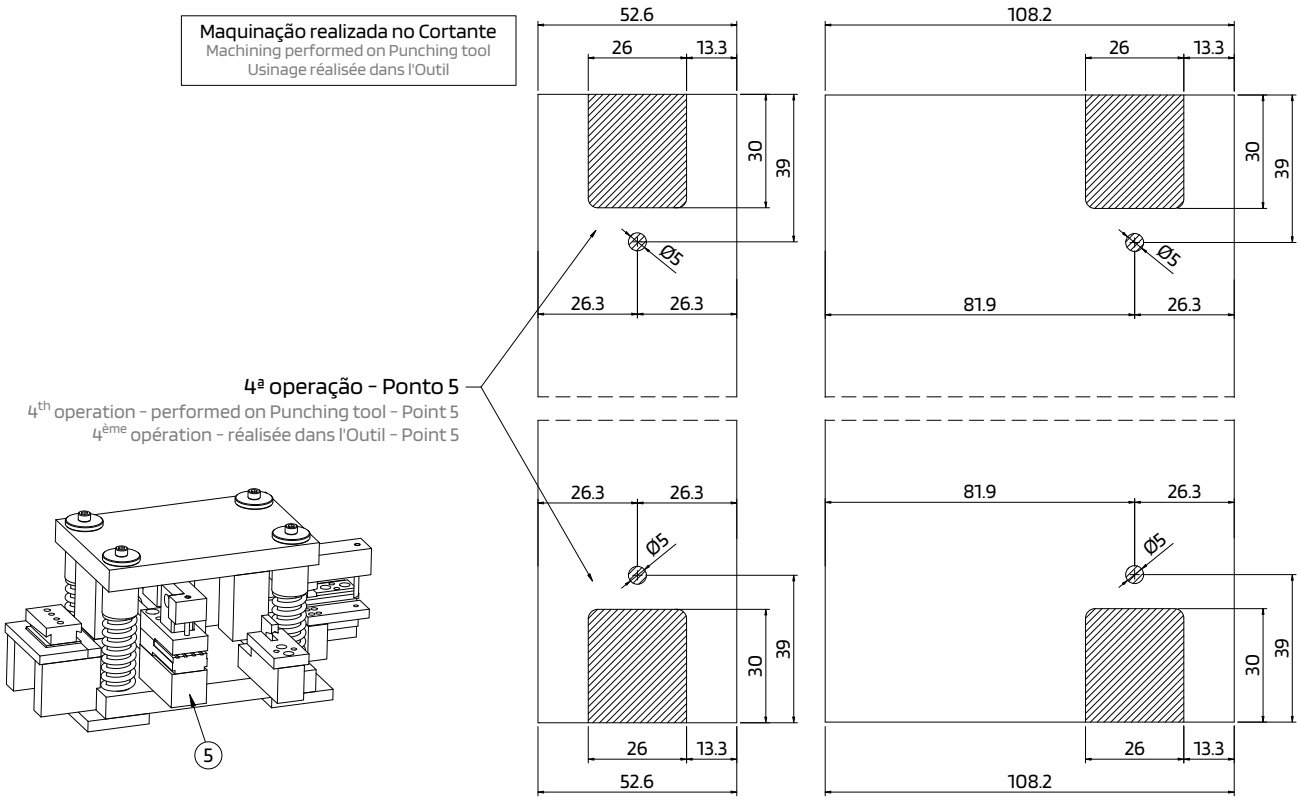
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

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.**
Fraisage du profilé central pour la mise en place des plateaux centraux supérieur et inférieur.
**Suiver cette procédure sur tous les profilés centraux.**



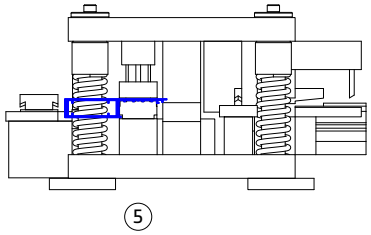

**408064** CORTANTE JT-SLIM - FOLHA

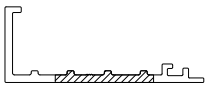
Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



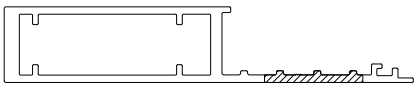

4ª operação - Ponto 5
4th operation - performed on Punching tool - Point 5
4ème opération - réalisée dans l'Outil - Point 5



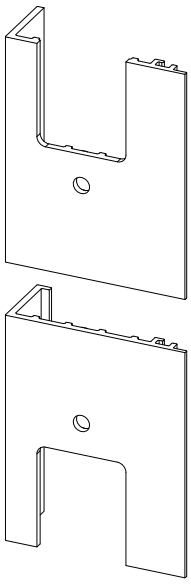



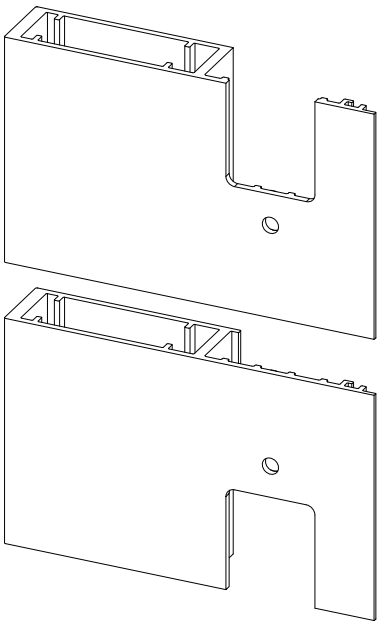



JT 55
Perfil central
Central profile | Profilé central



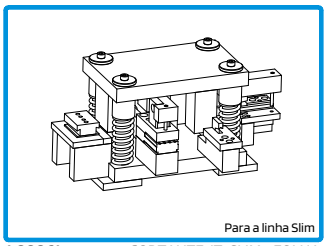
JT 56
Perfil central reforçado
Reinforced central profile | Profilé central renforcé





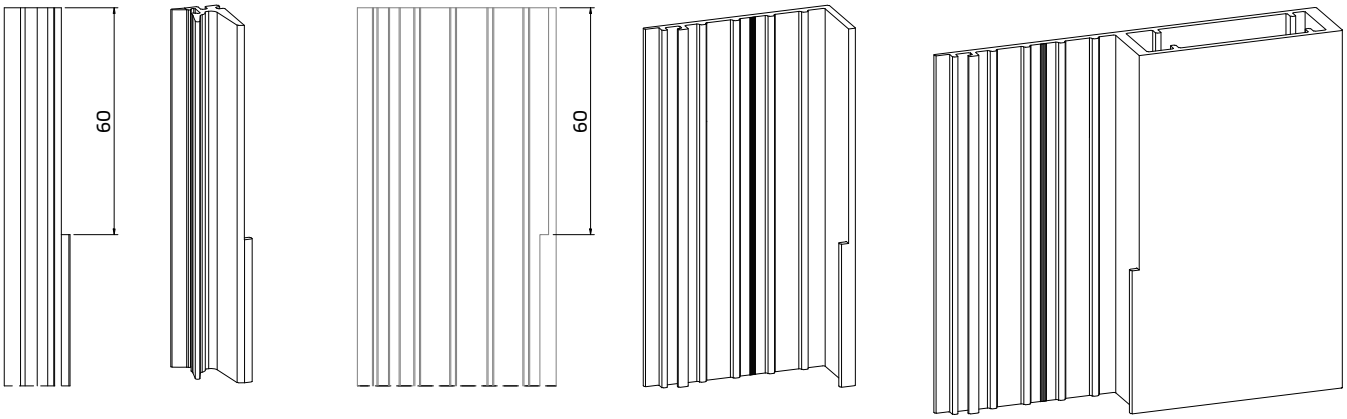
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

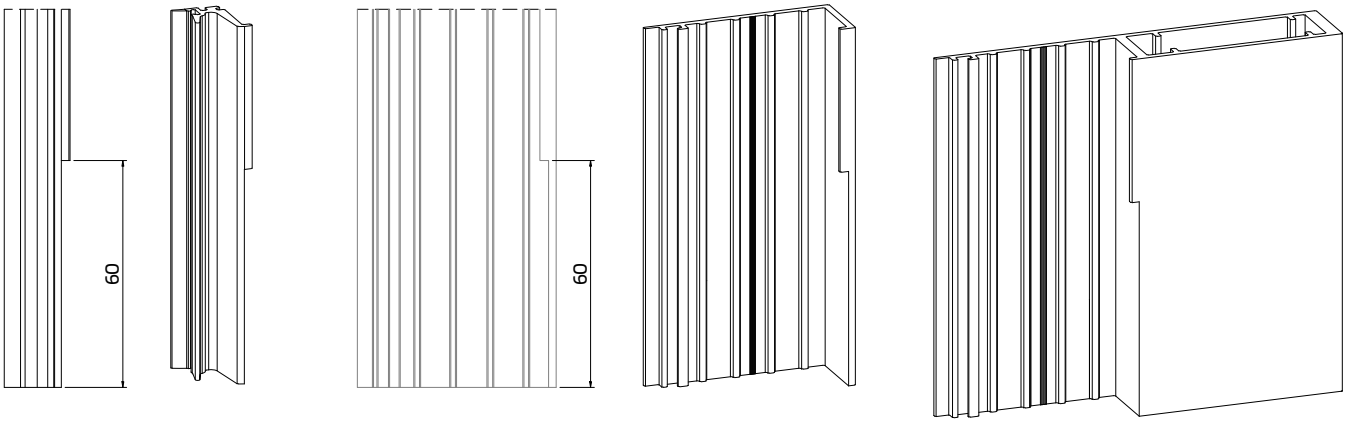
3 - Fresagem de perfil central e junta central para colocação das travessas superior e inferior. **Seguir este procedimento em todos os perfis centrais.**
Central profile and joint milling for placing the upper and lower transoms. **Follow this procedure in all central profiles.**
Fraisage du profilé central et du joint central pour la mise en place des traverses supérieure et inférieure. **Suiver cette procédure sur tous les profilés centraux.**



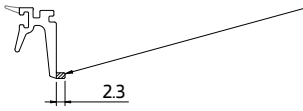

**408064** CORTANTE JT-SLIM - FOLHA

Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil

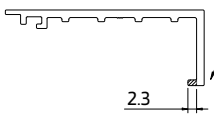


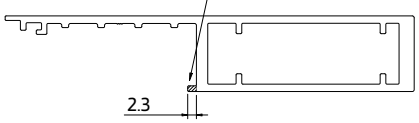

6ª operação - Ponto 4
6th operation - performed on Punching tool - Point 4
6ème opération - réalisée dans l'Outil - Point 4



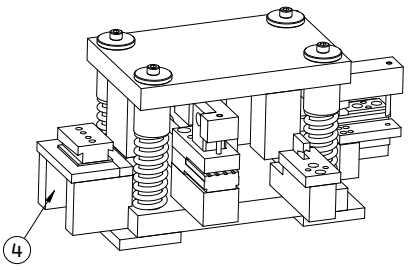

JUNTA CENTRAL 2197 JT-SLIM
2197 JT-SLIM CENTRAL JOINT
JOINT CENTRALE 2197 JT-SLIM

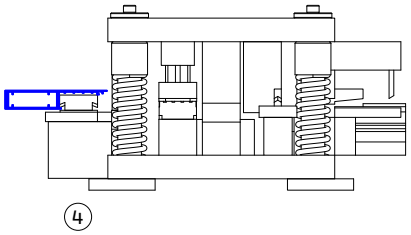



JT 55
Perfil central
Central profile | Profilé central




JT 56
Perfil central reforçado
Reinforced central profile | Profilé central renforcé

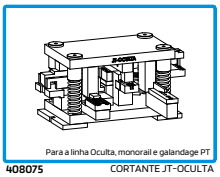


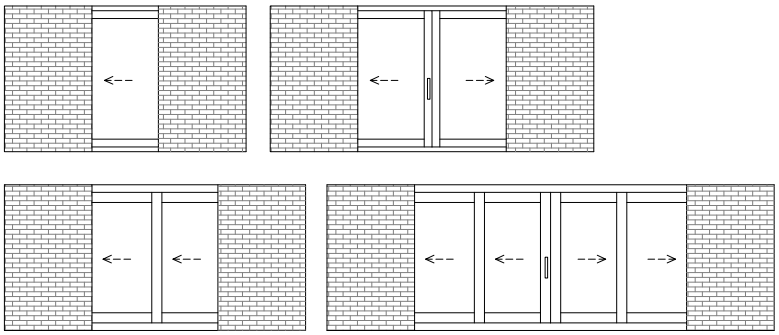

É muito importante que esta maquinação seja feita depois da maquinação para os topos.
It is very important that this machining is done after the end-caps machining.
Il est très important que cet usinage se fasse après l'usinage des embouts.

## MAQUINAÇÕES NOS CORTANTES
PUNCHING TOOLS MACHININGS
OPÉRATIONS D'USINAGE POUR OUTILS

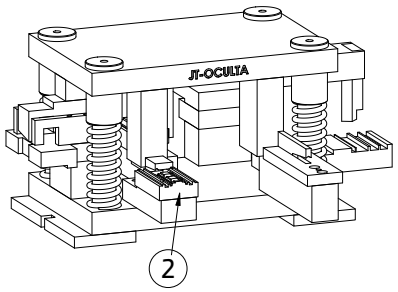
### JANELA DE CORRER 1 E 2 FOLHAS DE EMBUTIR - COM O PERFIL JT 58
1 AND 2 SASHES POCKET SLIDING WINDOW - WITH JT 58 PROFILE
FENÊTRE COULISSANT 1 et 2 VANTAUX À GALANDAGE - AVEC PROFILÉ JT 58

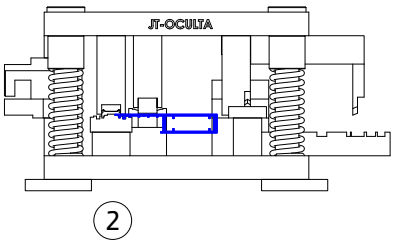


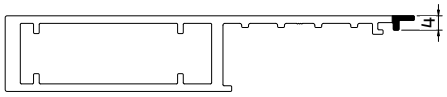
408075 CORTANTE JT-OCULTA



Maquinação realizada no Cortante
Machining performed on Punching tool
Usinage réalisée dans l'Outil



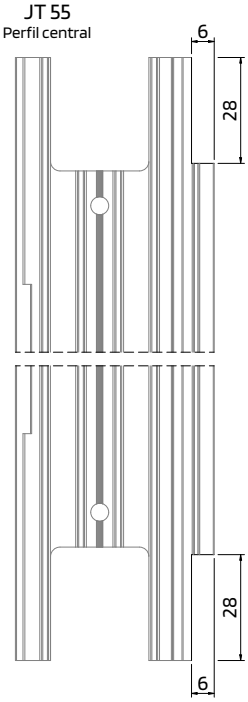




JT 56
Perfil central

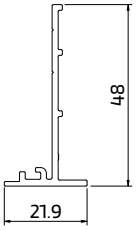



JT 55
Perfil central




Maquinação realizada manualmente
Manual Machining
Usinage manuel

JT 58
Perfil remate para solução de embutir

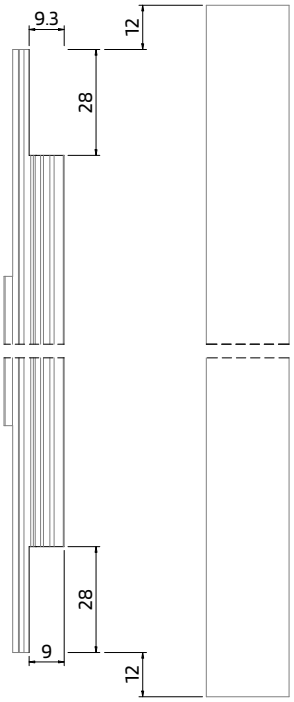



FOLHA

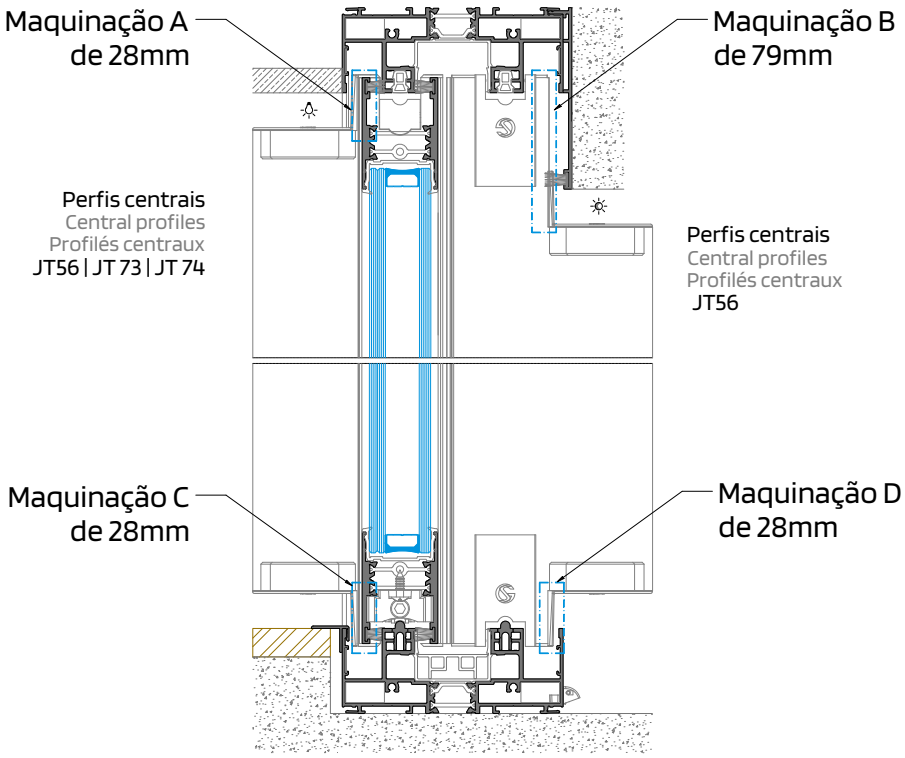
JUNTA CENTRAL 2197
208351

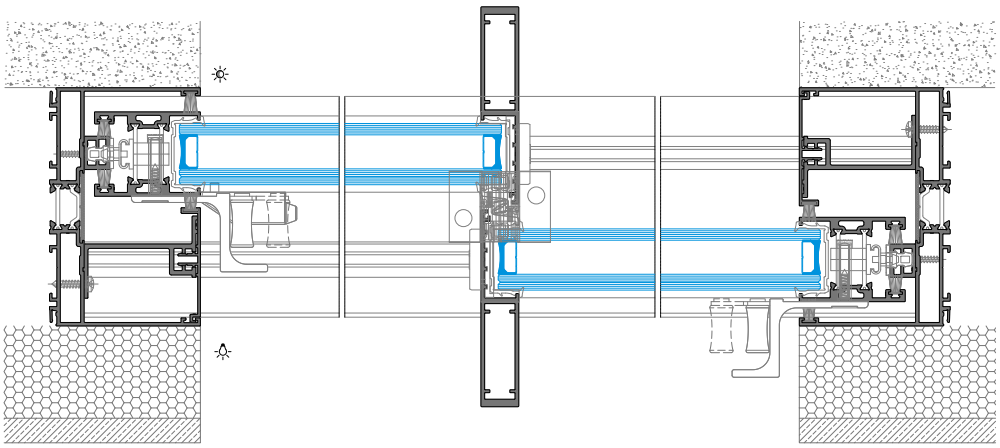


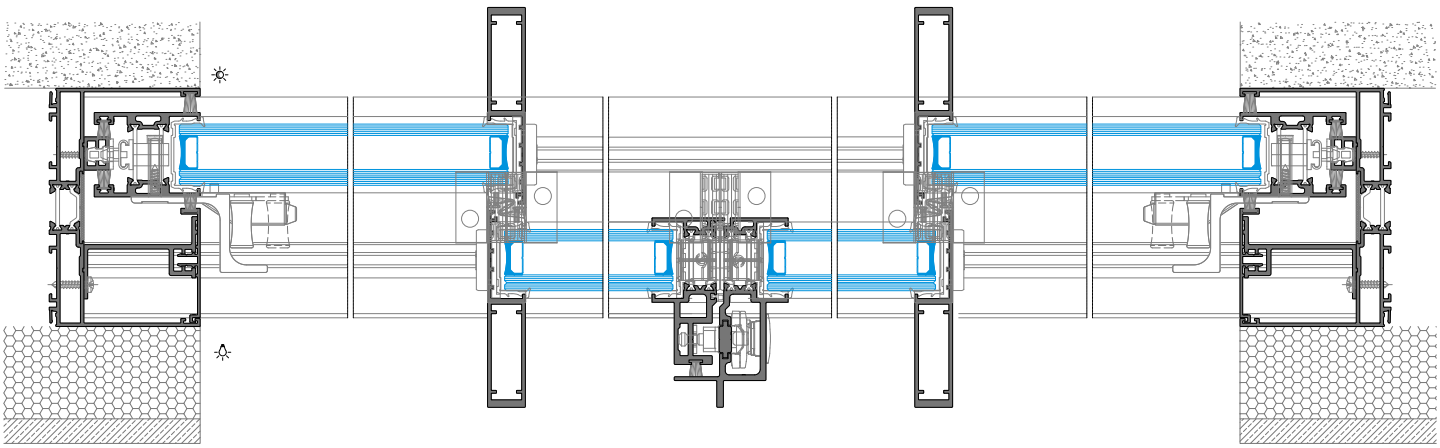
perfil PVC



## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT
JT MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT



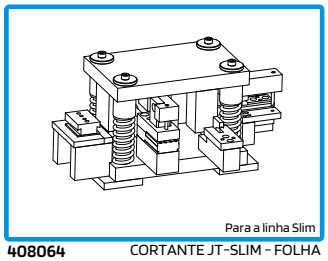


## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT
JT MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT

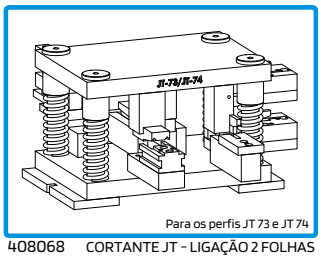
### Fresagem no tubular de reforço
Reinforcement tubular milling | Fraisage dans le tubulaire de renfort

### Maquinações A, C e D
Machinations A, C and D | Machinations A, C et D

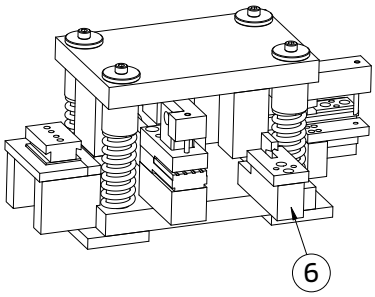
**Maquinação realizada no Cortante**
Machining performed on Punching tool
Usinage réalisée dans l'Outil

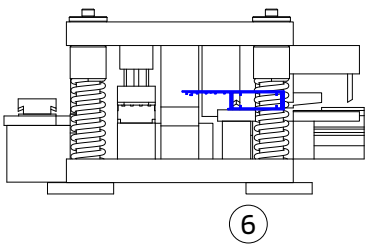


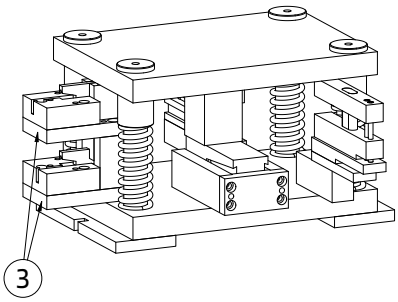

**408064** CORTANTE JT-SLIM - FOLHA

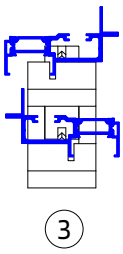


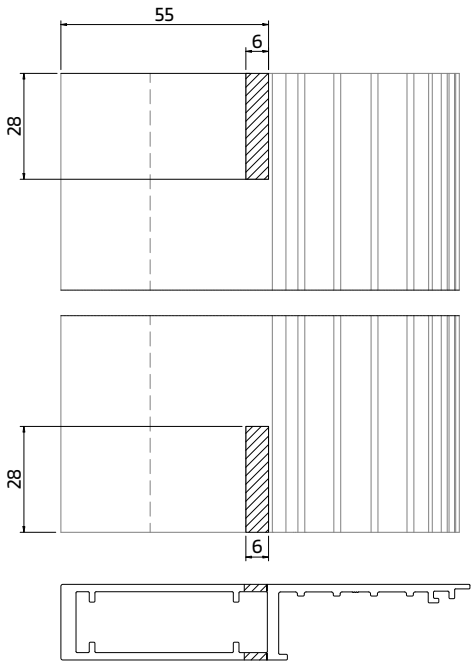

408068 CORTANTE JT - LIGAÇÃO 2 FOLHAS



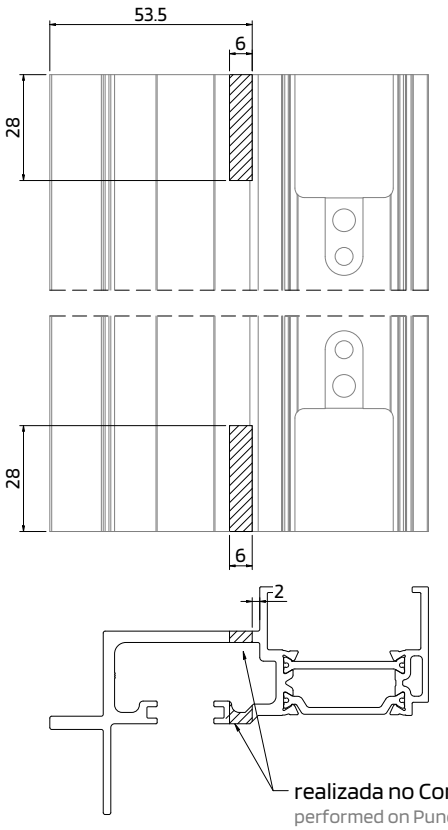




**JT 56**
Perfil central reforçado
Reinforced central profile | Profilé central renforcé



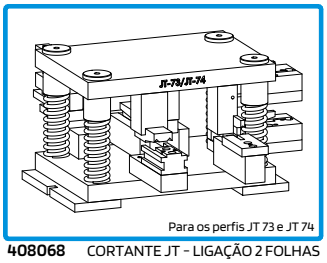

realizada no Cortante - Ponto 3
performed on Punching tool - Point 3
réalisée dans l'Outil - Point 3

**JT 73**
Perfil ligação 2 folhas reforçado
2 Sashes connection reinforced profile
Profilé pour connexion 2 ventaux renforcé

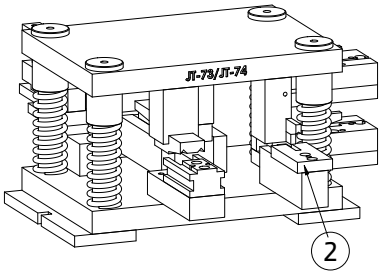
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT
JT MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT

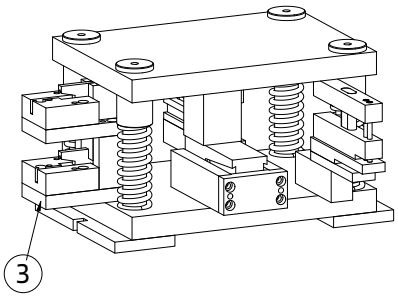
### Fresagem no tubular de reforço
Reinforcement tubular milling | Fraisage dans le tubulaire de renfort

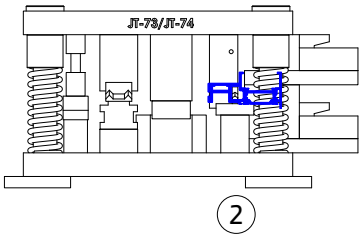
### Maquinações A, C e D
Machinations A, C and D | Machinations A, C et D

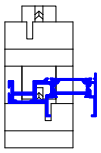



**408068** CORTANTE JT - LIGAÇÃO 2 FOLHAS

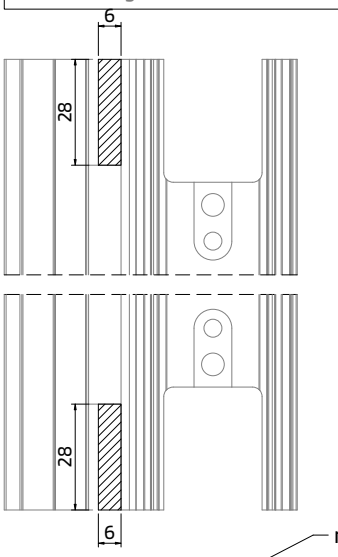


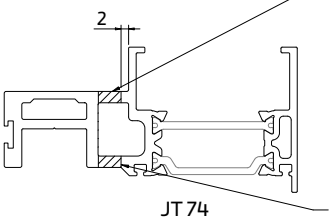




**Maquinação realizada no Cortante**
Machining performed on Punching tool
Usinage réalisée dans l'Outil



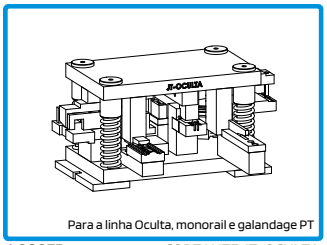




realizada no Cortante - Ponto 3
performed on Punching tool - Point 3
réalisée dans l'Outil - Point 3

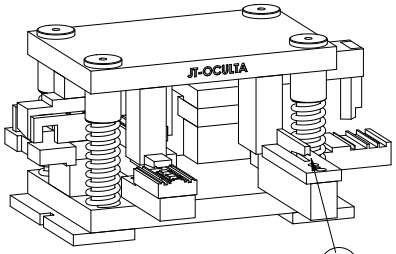
realizada no Cortante - Ponto 2
performed on Punching tool - Point 2
réalisée dans l'Outil - Point 2

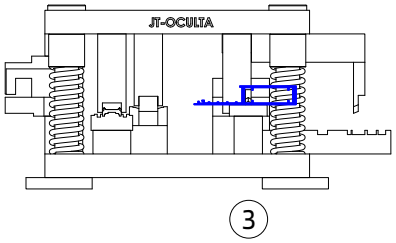
JT 74
Perfil ligação 2 folhas
2 Sashes connection profile
Profilé pour connexion 2 ventaux

### Maquinações B
Machinations B | Machinations B

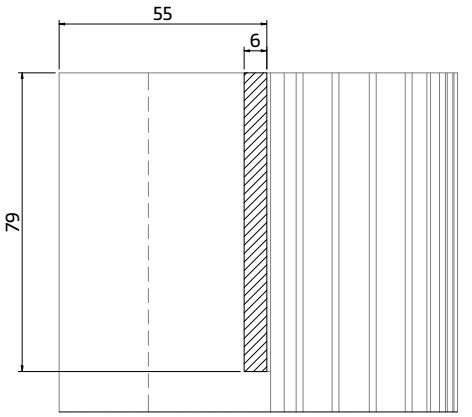


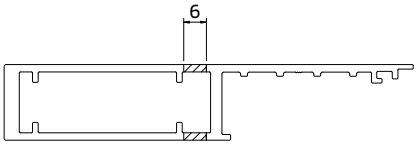

**408075** CORTANTE JT-OCULTA




**Maquinação realizada no Cortante**
Machining performed on Punching tool
Usinage réalisée dans l'Outil



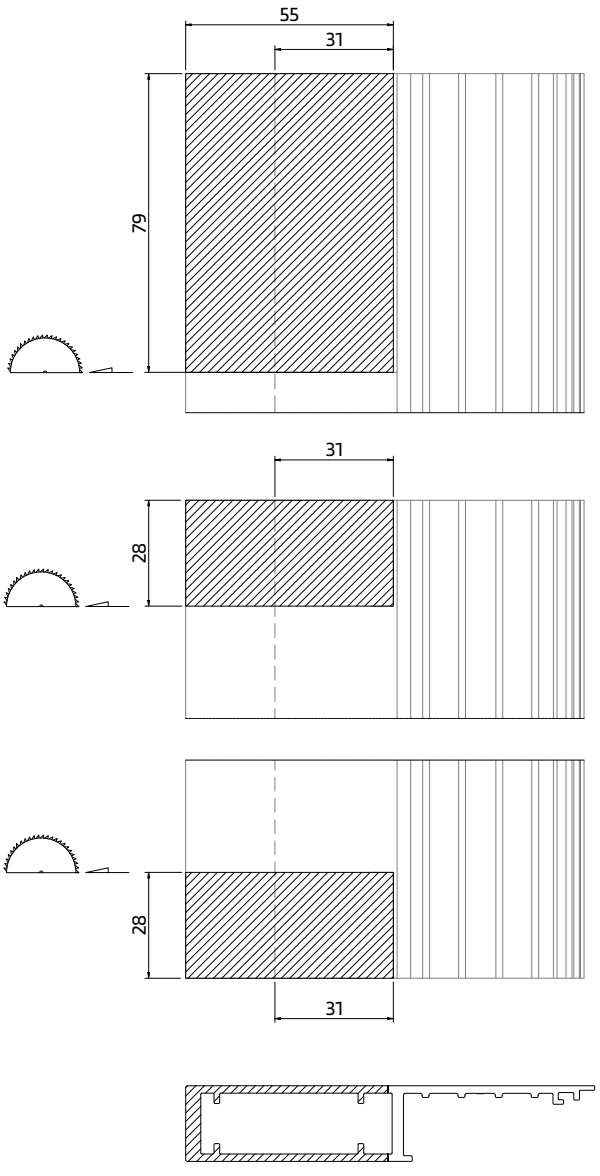

JT 56
Perfil central reforçado
Reinforced central profile | Profilé central renforcé

Esta operação é feita com varias passagens no cortante.
This operation is carried out by making several passes along the cutting edge.
Cette opération s'effectue en plusieurs passages dans la rainure.

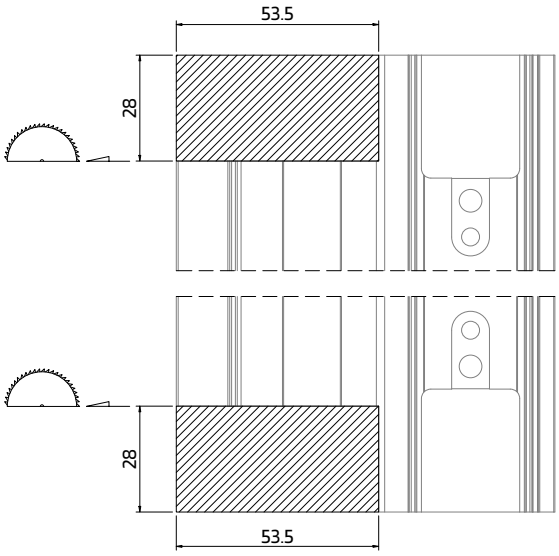
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT
JT MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT

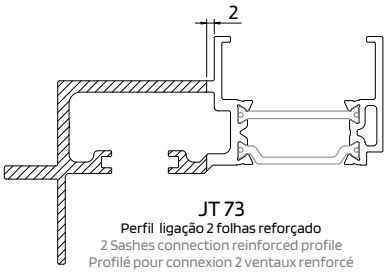
Fresagem no tubular de reforço
Reinforcement tubular milling | Fraisage dans le tubulaire de renfort

Cortes c/ disco de corte
cuts with cutting disc
avec disque de coupe

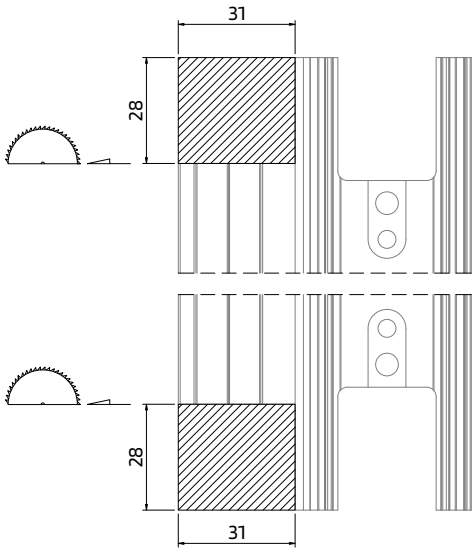


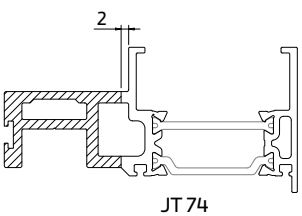

JT 56
Perfil central reforçado
Reinforced central profile | Profilé central renforcé




JT 73
Perfil ligação 2 folhas reforçado
2 Sashes connection reinforced profile
Profilé pour connexion 2 ventaux renforcé

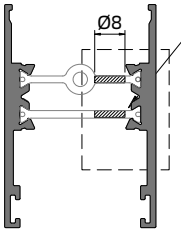


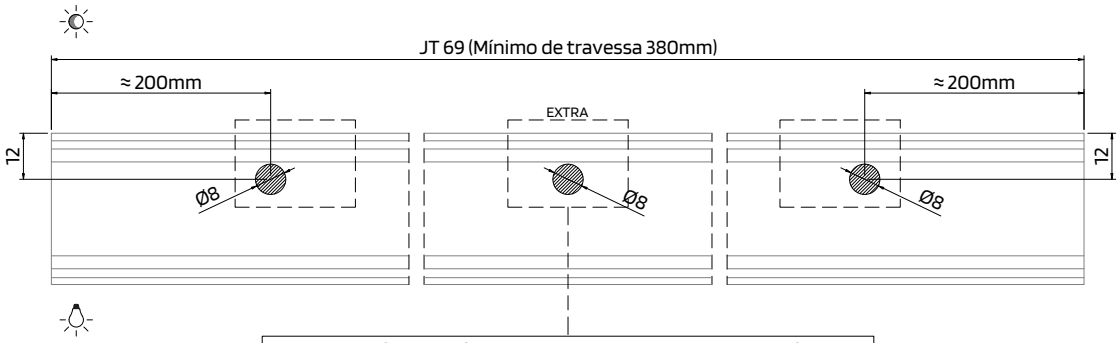

JT 74
Perfil ligação 2 folhas
2 Sashes connection profile
Profilé pour connexion 2 ventaux

## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

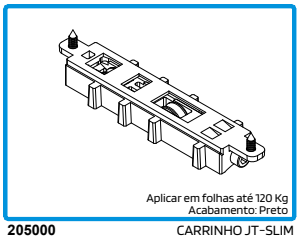
### Furação para drenagens e descompressão e aplicação dos carrinhos.
Drainage and decompression drilling and rollers application.
Perçage pour drainage et décompression et application des roulettes.




Os furos devem ser feitos no lado exterior do perfil
The holes must be drilled on the outside of the profile
Les trous doivent être percés à l'extérieur du profilé

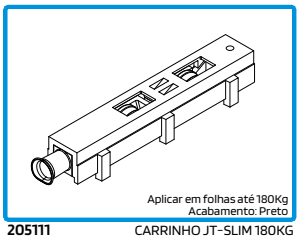



Se L ≥ 1m, fazer um furo adicional ao centro da travessa inferior
If L ≥ 1m, drill an additional hole in the center of the lower transom
Si L ≥ 1m, percer un trou supplémentaire au centre de la traverse inférieure



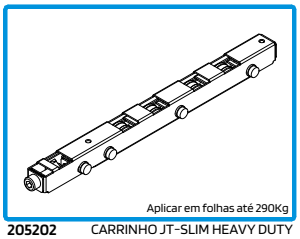
Aplicar em folhas até 120 Kg
Acabamento: Preto

**205000** CARRINHO JT-SLIM



Aplicar em folhas até 180Kg
Acabamento: Preto

**205111** CARRINHO JT-SLIM 180KG



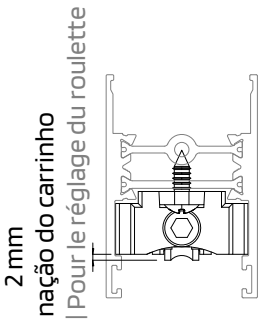
Aplicar em folhas até 290Kg

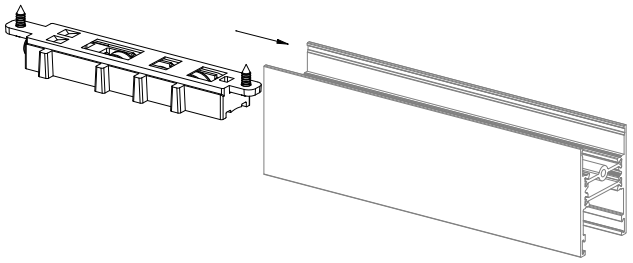
**205202** CARRINHO JT-SLIM HEAVY DUTY

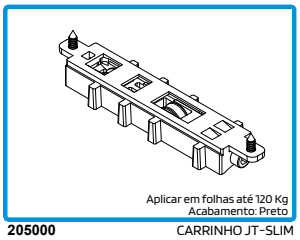
### Colocação dos carrinhos nas travessas inferiores.
Rollers placement on the bottom transoms.
Placement des roulettes sur les traverses inférieures.

### Carrinhos JT-Slim 120kg.
120kg JT-Slim Rollers.
Roulettes JT-Slim 120kg.

**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores antes de fechar o aro móvel.
The rollers must be applied on the lower transoms before closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures avant de fermer le cadre ouvrant.

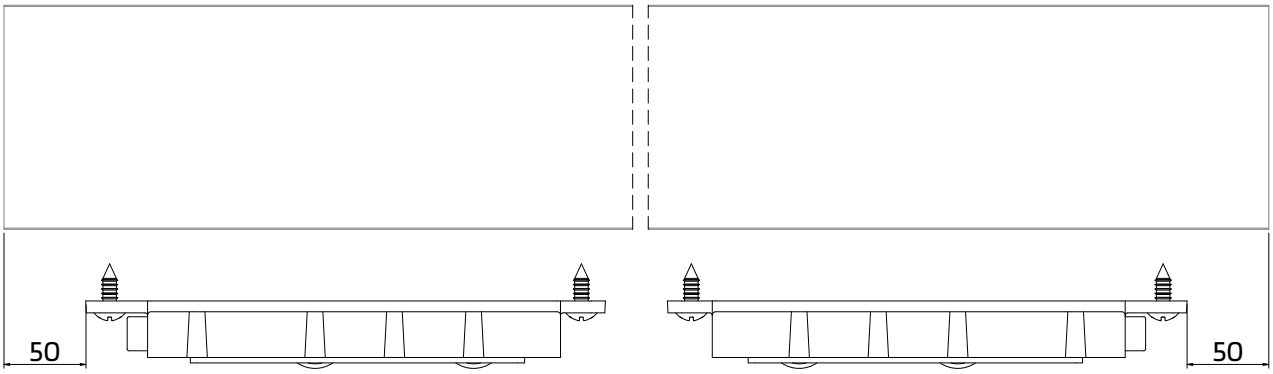




Aplicar em folhas até 120 Kg
Acabamento: Preto

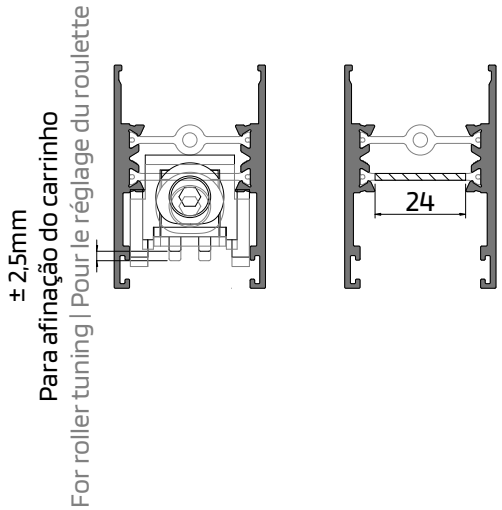
**205000** CARRINHO JT-SLIM

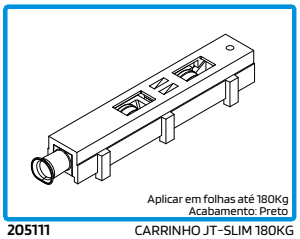


## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

### Carrinhos JT-Slim 180kg.
180kg JT-Slim Rollers.
Roulettes JT-Slim 180kg.

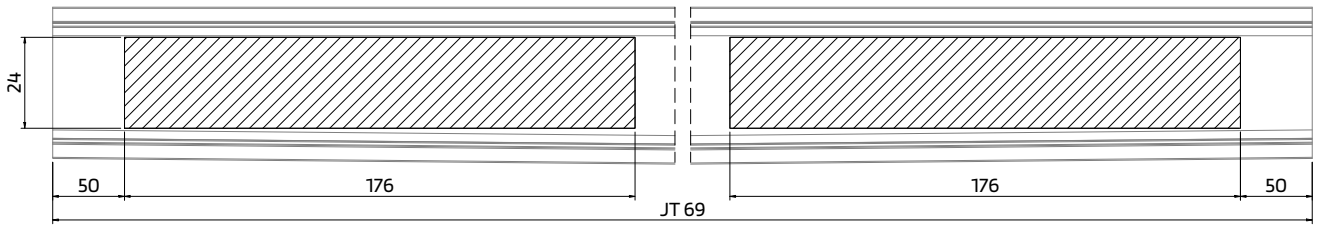
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores, no interior da maquinação da poliamida e fixos nos 2 parafusos, antes de colocar a pelúcia e fechar o aro móvel.
The rollers must be applied to the lower transoms, inside the polyamide machining and fixed to the 2 screws, before placing the pile seal and closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures, à l'intérieur de l'usinage polyamide et fixés aux 2 vis, avant de placer le joint brosse et de fermer le cadre ouvrant.

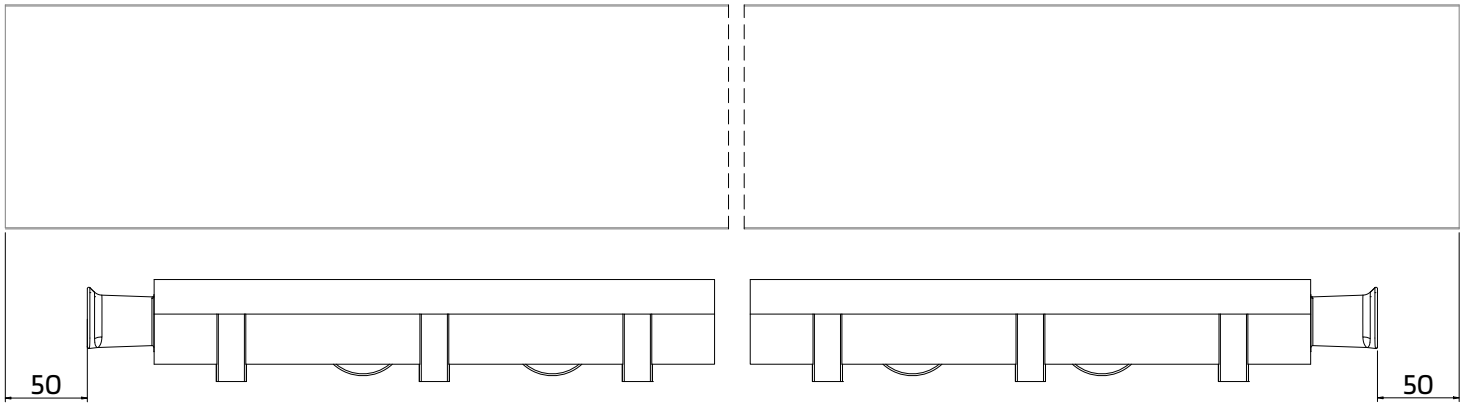


**205111** CARRINHO JT-SLIM 180KG

### Maquinação para aplicação de Carrinhos JT-Slim.
Machining for application of the JT-Slim rollers.
Usinage pour application de Roulettes JT-Slim.

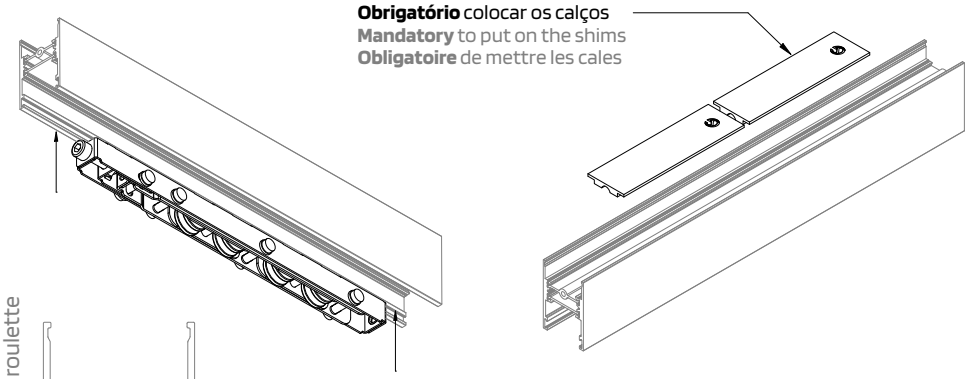


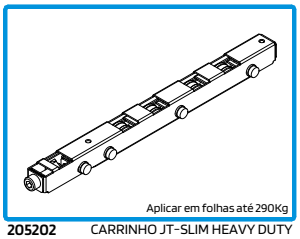



## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

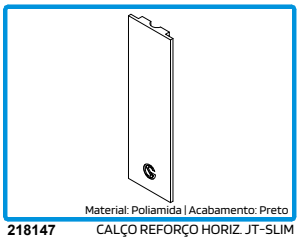
Carrinhos JT-Slim Heavy Duty.
Heavy Duty JT-Slim Rollers.
Roulettes JT-Slim Heavy Duty.

**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores, no interior da maquinação da poliamida e fixos nos 2 parafusos, antes de colocar a pelúcia e fechar o aro móvel.
The rollers must be applied to the lower transoms, inside the polyamide machining and fixed to the 2 screws, before placing the pile seal and closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures, à l'intérieur de l'usinage polyamide et fixés aux 2 vis, avant de placer le joint brosse et de fermer le cadre ouvrant.

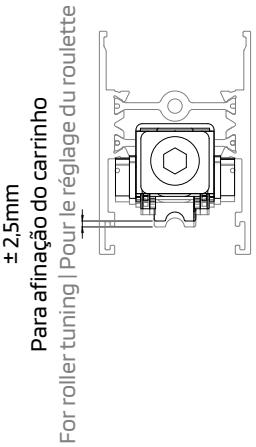


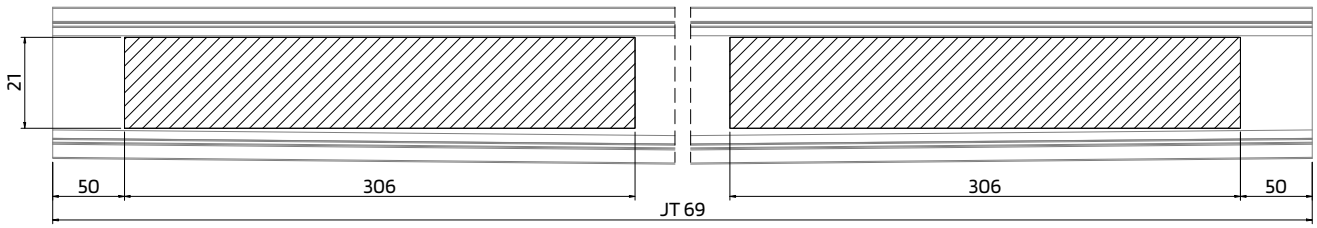

**205202** CARRINHO JT-SLIM HEAVY DUTY

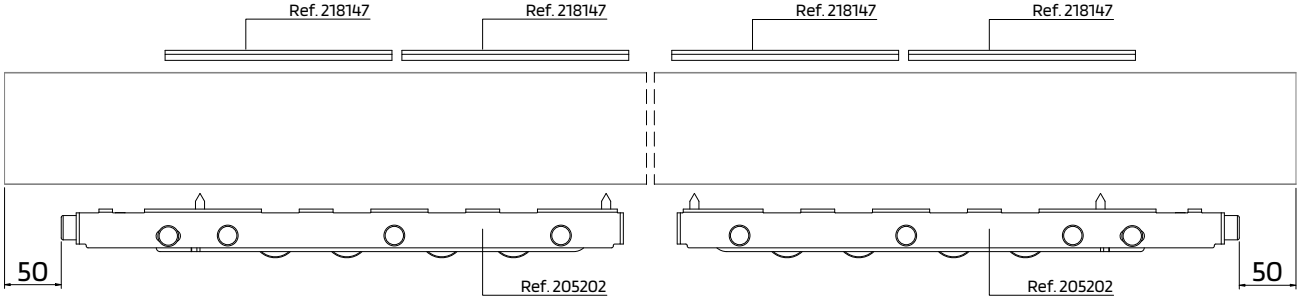



**218147** CALÇO REFORÇO HORIZ. JT-SLIM



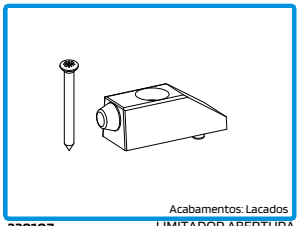

Maquinação para aplicação de Carrinhos Heavy Duty.
Machining for application of the Heavy Duty JT-Slim rollers.
Usinage pour application de Roulettes JT-Slim Heavy Duty.



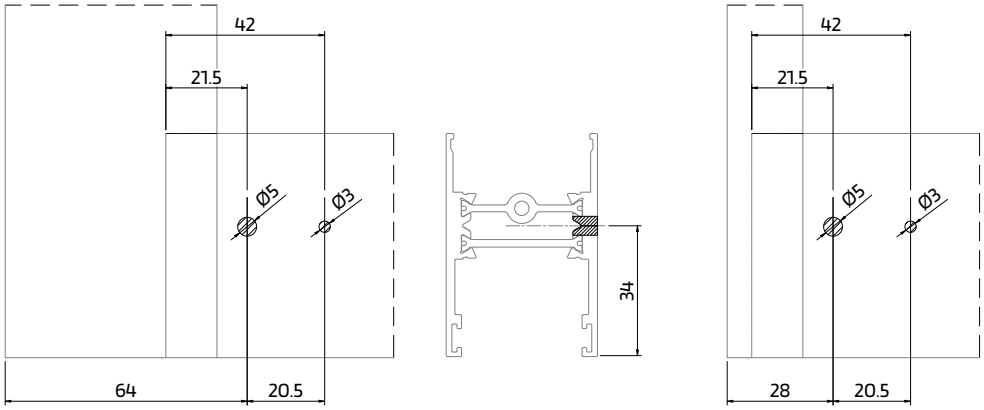



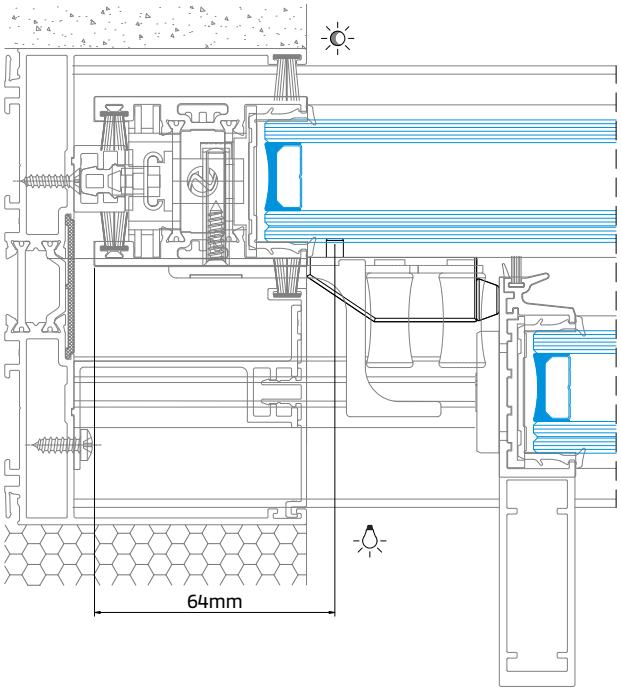
## MAQUINAÇÕES DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES MACHINING
USINAGE DES PROFILÉS OUVRANT JT-SLIM

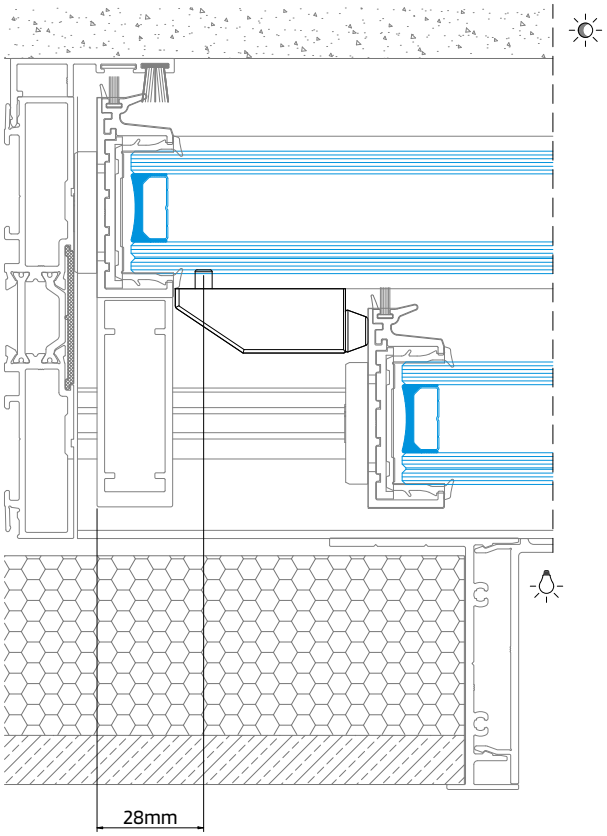
### 6 - Aplicação do limitador de abertura na travessa inferior JT 69.
Opening limiter application on the lower transom JT 69.
Application du limiteur d'ouverture sur la traverse inférieure JT 69.



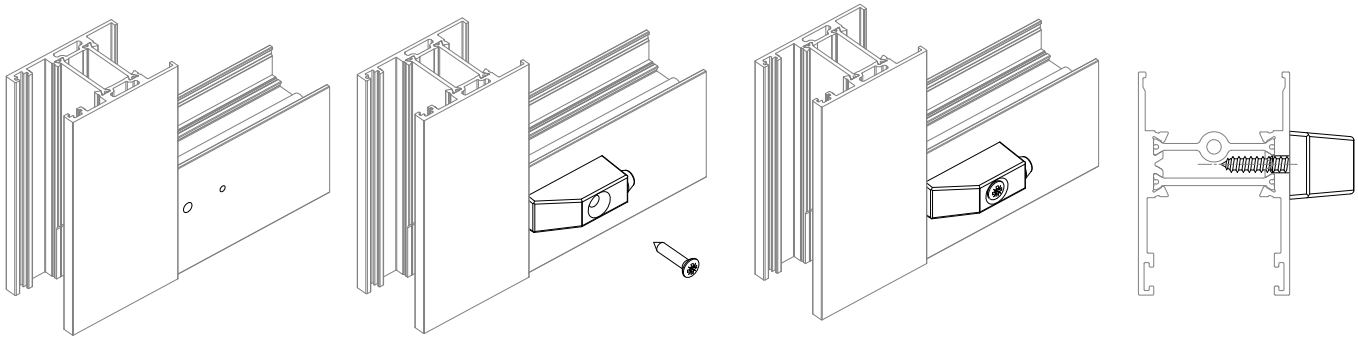

### 6.1 - Furação para a fixação do limitador de abertura.
Drilling for fixing the opening limiter.
Perçage pour fixation du limiteur d'ouverture.



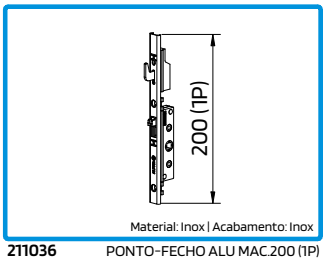

Aparafusar o limitador de abertura à travessa.
Screw the opening limiter to the transom.
Visser le limiteur d'ouverture sur la traverse.



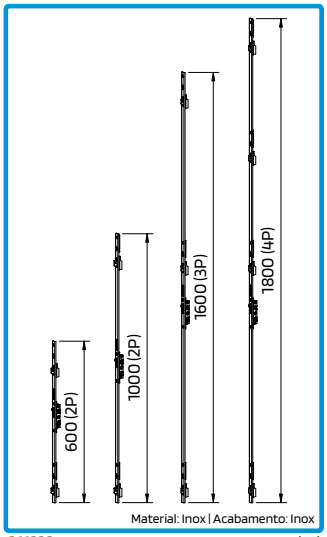
# V.3

Maquinações e fresagens para acessórios
Acessoires machinings and millings | Usinages et fraisages pour accessoires

MAQUINAÇÕES PARA FERRAGEM MULTIPONTO ALU MAC
ALU MAC MULTIPOINT HARDWARE MACHINING
USINAGE POUR FERRURE MULTIPOINT ALU MAC




**211036** PONTO-FECHO ALU MAC.200 (1P)




**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)

**IMPORTANTE:**
**IMPORTANT:**
**IMPORTANTE:**

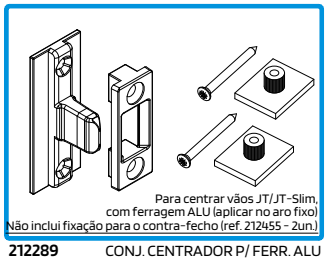
1. A maquinação para aplicação dos contra-fechos e multipontos terão de ser feitos a partir da parte inferior do aro fixo e da folha movél.
   The machining for the application of the counter-locks and multipoints must be done from the bottom of the fixed frame and the mobile sash.
   L'usinage pour l'application des contre-fermetures et des multipoints doit être effectué à partir du bas du dormant et de l'ouvrant.

2. Com multiponto de **Xmm**, as medidas estão calculadas para aplicação do cremone a **Ymm** de altura e para um mínimo de altura de vão H**mm,** com o aro JT 05 e JT 14.
   With **Ymm** multipoint, the measurements are calculated for the handle application at a height of **Ymm** and for a minimum span height of **Hmm**, with the JT 05 and JT 14 frame.
   Avec un multipoint de **Xmm**, les mesures sont calculées pour une application de la crémone à une hauteur de **Ymm** et pour une hauteur de portée minimale de **Hmm**, avec le cadre JT 05 et JT 14.

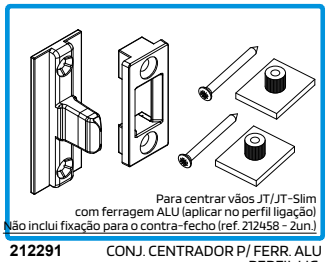
A altura máxima de aro fixo é de 3074mm.
The maximum height for a fixed rim is 3074mm.
La hauteur maximale du cadre fixe est de 3074 mm.
A altura máxima de aro móvel é de 3000mm.
Mobile frame height is limited to 3000mm.
A hauteur maximale du cerceau mobile est de 3000 mm.
Medidas superiores, consultar departamento técnico.
For larger sizes, please consult our technical department.
Pour des dimensions supérieures, veuillez consulter notre service technique.

## JT 05 e JT 14

| CÓDIGO<br>CODE \| CODE | DESIGNAÇÃO (X)<br>DESIGNATION \| NOMINATION | (H) mínimo aro fixo | (H) mínima folha | (Y) mínimo centro da quadra |
|---|---|---|---|---|
| 211036 | PONTO-FECHO ALU MAC. (1P) | 410mm | 336mm | 121mm |
| 211233 | MULTIPONTO ALU MAC. 600 (2P) | 810mm * | 736mm* | 377mm |
| 211234 | MULTIPONTO ALU MAC. 1000 (2P) | 1210mm* | 1136mm* | 568mm |
| 211235 | MULTIPONTO ALU MAC. 1600 (3P) | 1796mm*<br>1871mm** | 1722mm*<br>1797mm** | 763mm |
| 211236 | MULTIPONTO ALU MAC. 1800 (4P) | 2271mm** | 2197mm** | 963mm |




**212289** CONJ. CENTRADOR P/ FERR. ALU

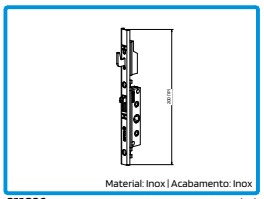



**212291** CONJ. CENTRADOR P/ FERR. ALU PERFIL LIG.

| ALTURA<br>HIGH<br>HAUTEUR | EXPOSIÇÃO 1<br>EXPOSURE 1<br>EXPOSITION 1<br>COR<br>COLOR<br>COULEUR | | EXPOSIÇÃO 2<br>EXPOSURE 2<br>EXPOSITION 2<br>COR<br>COLOR<br>COULEUR | |
|---|---|---|---|---|
| | CLARO<br>BRIGHT<br>CLAIRE | ESCURO<br>DARK<br>FONCÉE | CLARO<br>BRIGHT<br>CLAIRE | ESCURO<br>DARK<br>FONCÉE |
| H ≤ 1500 | 0 | 0 | 0 | 1* |
| 1500 < H ≤ 2000 | 1* | 2** | 2** | 2** |
| H > 2000 | 2** | 2** | 2** | 2** |

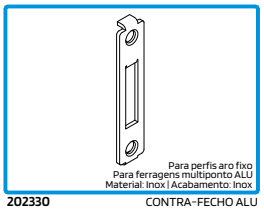
Exposição 1 = Norte, Noroeste, Nordeste
Exposure 1 = North, North-West, North-East
Exposition 1 = Nord, Nord-Ouest, Nord-Est
Exposição 2 = Sul, Sudeste, Sudoeste
Exposure 2 = South, South-East, South-West
Exposition 2 = Sud, Sud-Est, Sud-Ouest

## MAQUINAÇÕES PARA FERRAGEM PONTO-FECHO: **ALU MAC.200 (1P)**
ALU MAC MULTIPOINT HARDWARE: **ALU MAC.200 (1P)**
USINAGE POUR FERRURE MULTIPOINT ALU MA: **ALU MAC.200 (1P)**



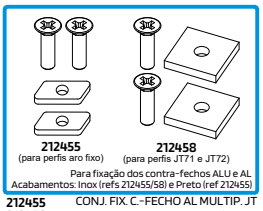
Material: Inox | Acabamento: Inox

**211036** PONTO-FECHO ALU MAC.200 (1P)



Para perfis aro fixo
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

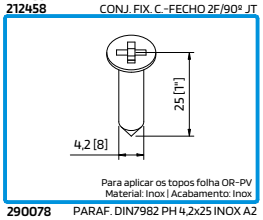
**202330** CONTRA-FECHO ALU



**212455** (para perfis aro fixo) **212458** (para perfis JT71 e JT72)

Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox (refs 212455/58) e Preto (ref 212455)

**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT



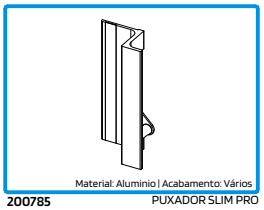

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2

**MAQUINAÇÃO PARA PUXADOR SLIM PRO**
Esta maquinação é válida para todas as ferragens ALU MAC

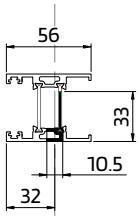
**SLIM PRO HANDLE MACHINING**
This machining is suitable for all ALU MAC hardware

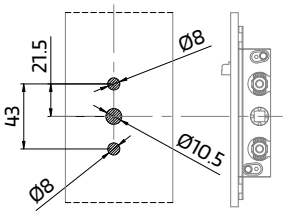
**USINAGE POUR POIGNÉE SLIM PRO**
Cet usinage est adapté à toutes les ferrures ALU MAC



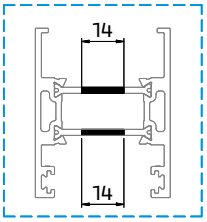
Material: Aluminio | Acabamento: Vários

**200785** PUXADOR SLIM PRO

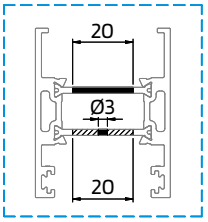


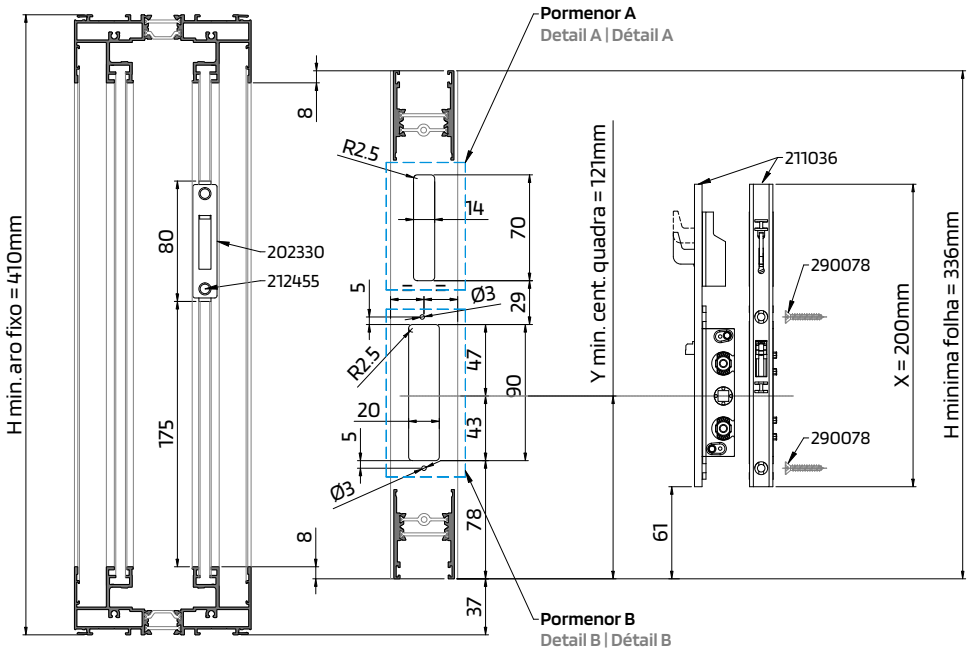

**Pormenor A**
Detail A | Détail A



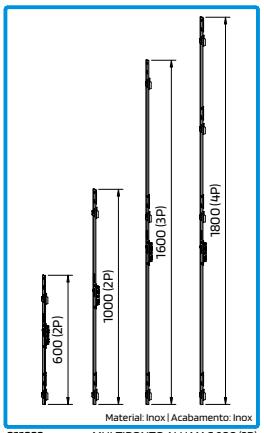

**Pormenor B**
Detail B | Détail B




minimo de aro fixo s/centrador

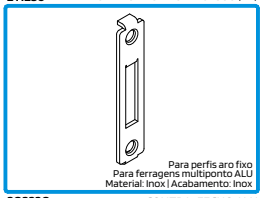


## MAQUINAÇÕES PARA FERRAGEM PONTO-FECHO: **ALU MAC.600 (2P)**
ALU MAC MULTIPOINT HARDWARE: **ALU MAC.600 (2P)**
USINAGE POUR FERRURE MULTIPOINT ALU MA: **ALU MAC.600 (2P)**



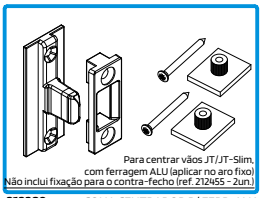

Material: Inox | Acabamento: Inox

**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)



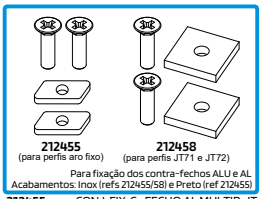
Para perfis aro fixo
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202330** CONTRA-FECHO ALU



Para centrar vãos JT/JT-Slim, com ferragem ALU (aplicar no aro fixo)
Não inclui fixação para o contra-fecho (ref. 212455 - 2un.)

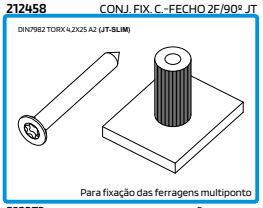
**212289** CONJ. CENTRADOR P/ FERR. ALU



**212455** (para perfis aro fixo) **212458** (para perfis JT71 e JT72)

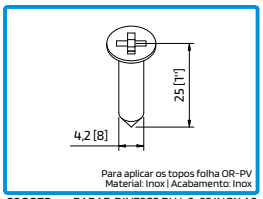
Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox (refs 212455/58) e Preto (ref 212455)

**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT




Para fixação das ferragens multiponto

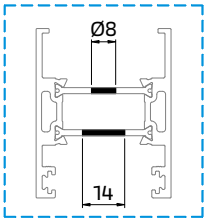
**212373** CONJ. FIXAÇÃO JT-SLIM



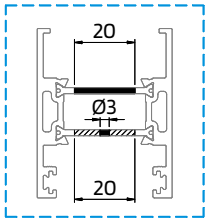

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2

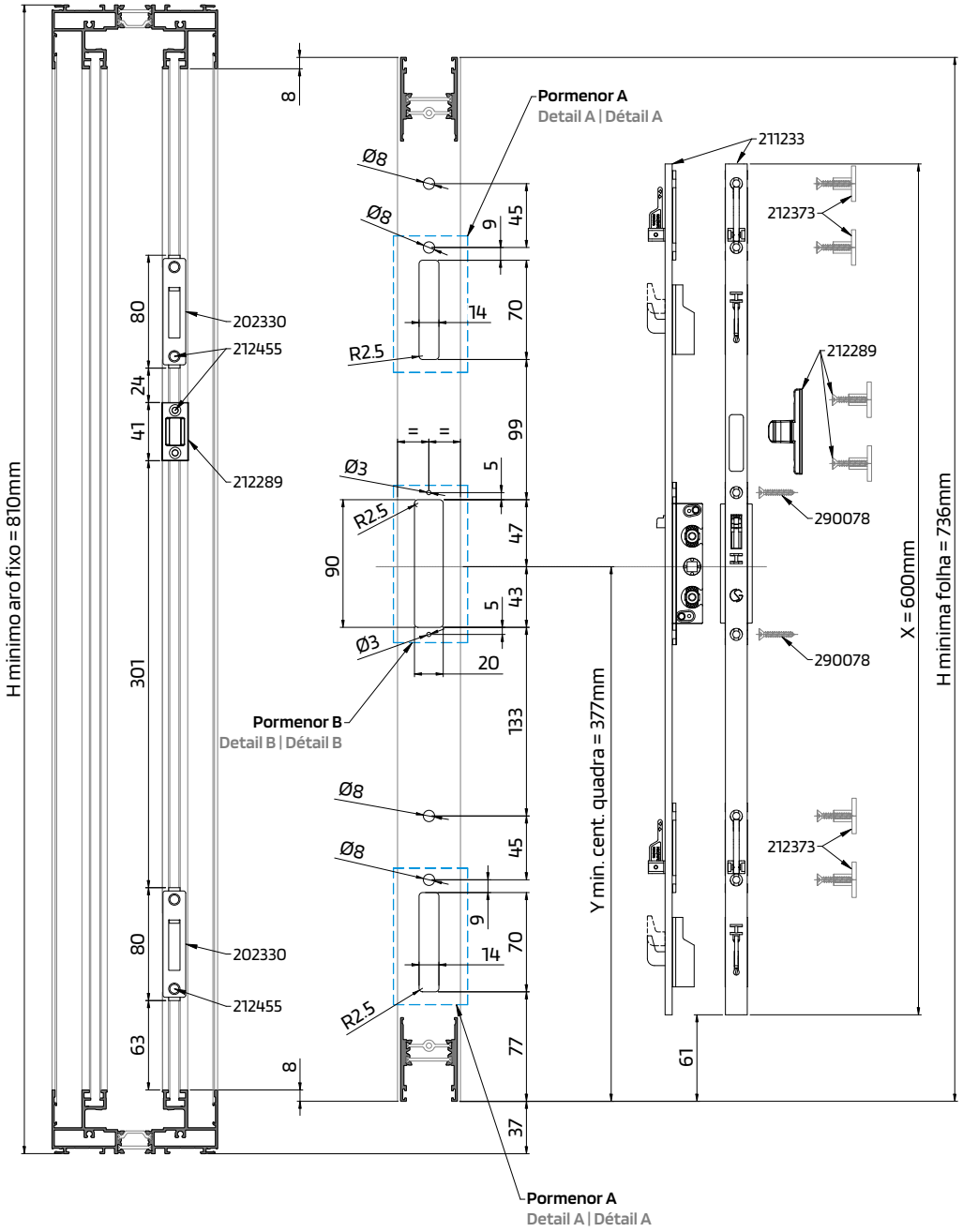
**Pormenor A**
Detail A | Détail A



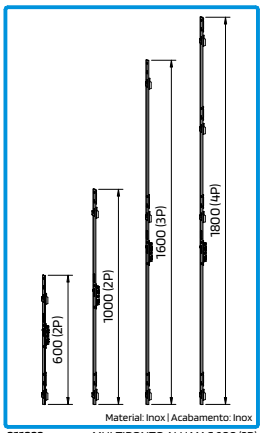

**Pormenor B**
Detail B | Détail B




Mínimo de aro fixo c/ 1 centrador

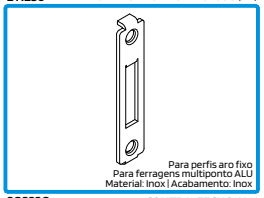


## MAQUINAÇÕES PARA FERRAGEM PONTO-FECHO: **ALU MAC.1000 (2P)**
ALU MAC MULTIPOINT HARDWARE: **ALU MAC.1000 (2P)**
USINAGE POUR FERRURE MULTIPOINT ALU MA: **ALU MAC.1000 (2P)**



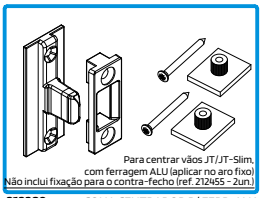

Material: Inox | Acabamento: Inox

**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)



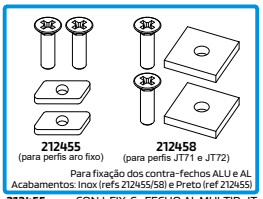
Para perfis aro fixo
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202330** CONTRA-FECHO ALU



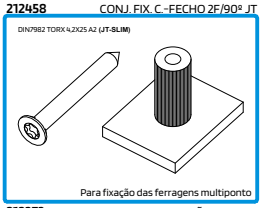
Para centrar vãos JT/JT-Slim, com ferragem ALU (aplicar no aro fixo)
Não inclui fixação para o contra-fecho (ref. 212455 - 2un.)

**212289** CONJ. CENTRADOR P/ FERR. ALU



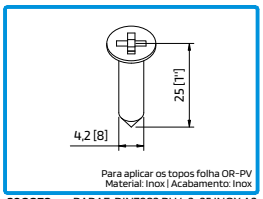

Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox (refs 212455/58) e Preto (ref 212455)

**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT




Para fixação das ferragens multiponto

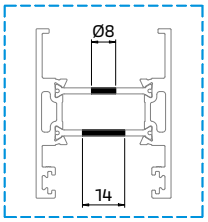
**212373** CONJ. FIXAÇÃO JT-SLIM



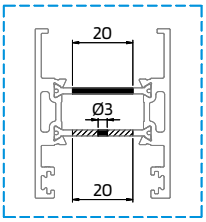

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2

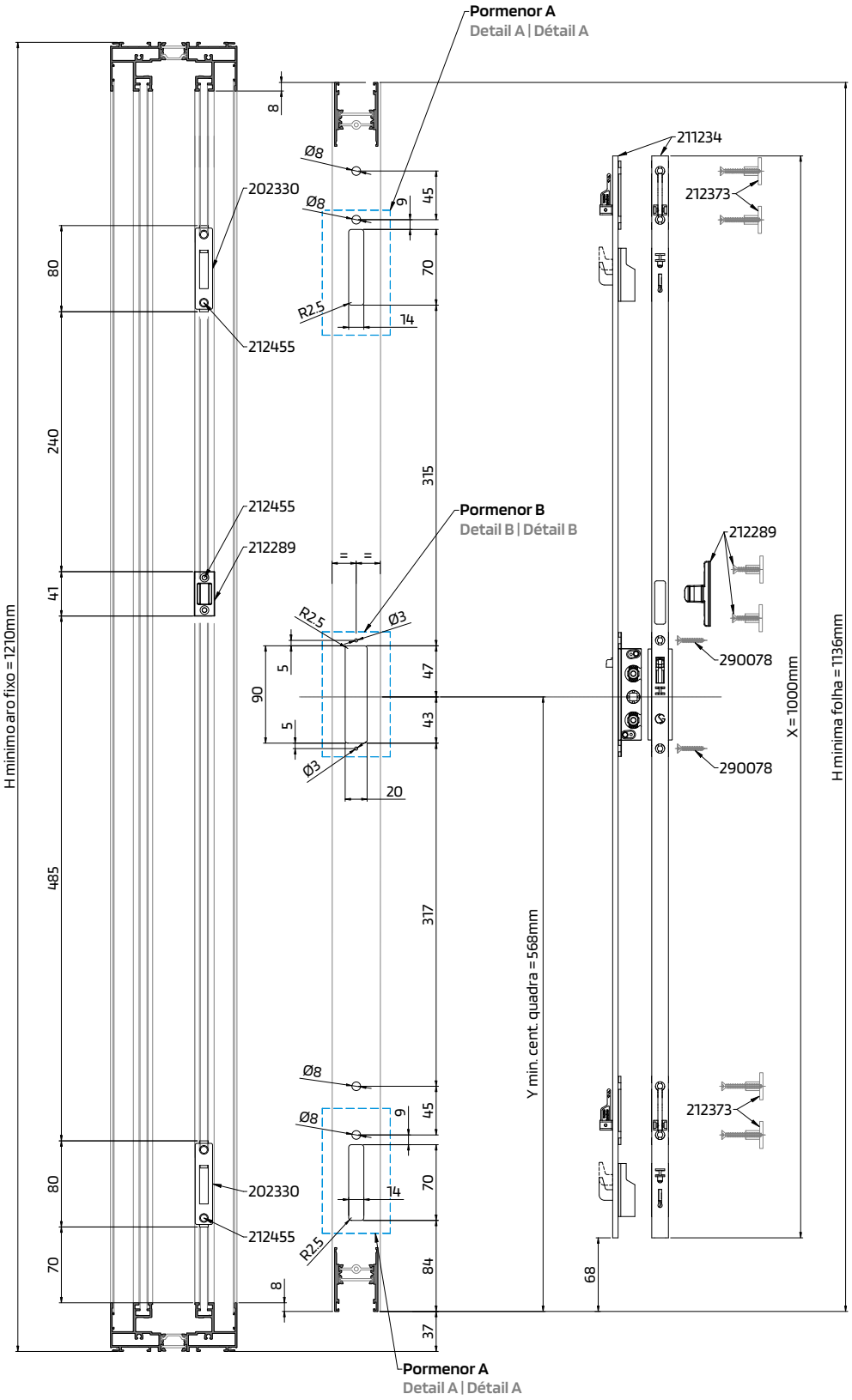
**Pormenor A**
Detail A | Détail A



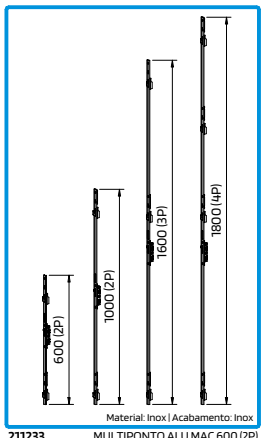

**Pormenor B**
Detail B | Détail B



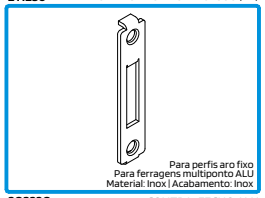

Mínimo de aro fixo c/ 1 centrador



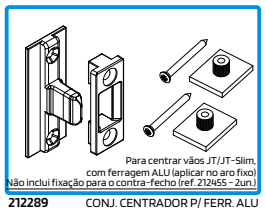
## MAQUINAÇÕES PARA FERRAGEM PONTO-FECHO: **ALU MAC.1600 (3P)**
ALU MAC MULTIPOINT HARDWARE: **ALU MAC.1600 (3P)**
USINAGE POUR FERRURE MULTIPOINT ALU MA: **ALU MAC.1600 (3P)**



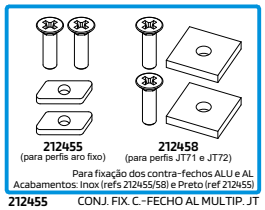

**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)



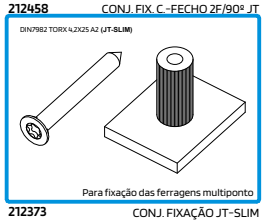

**202330** CONTRA-FECHO ALU



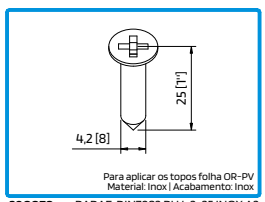

**212289** CONJ. CENTRADOR P/ FERR. ALU




**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT



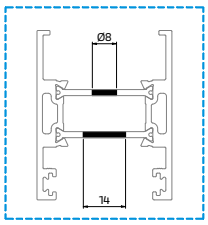

**212373** CONJ. FIXAÇÃO JT-SLIM



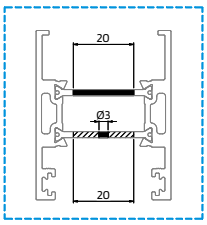

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2

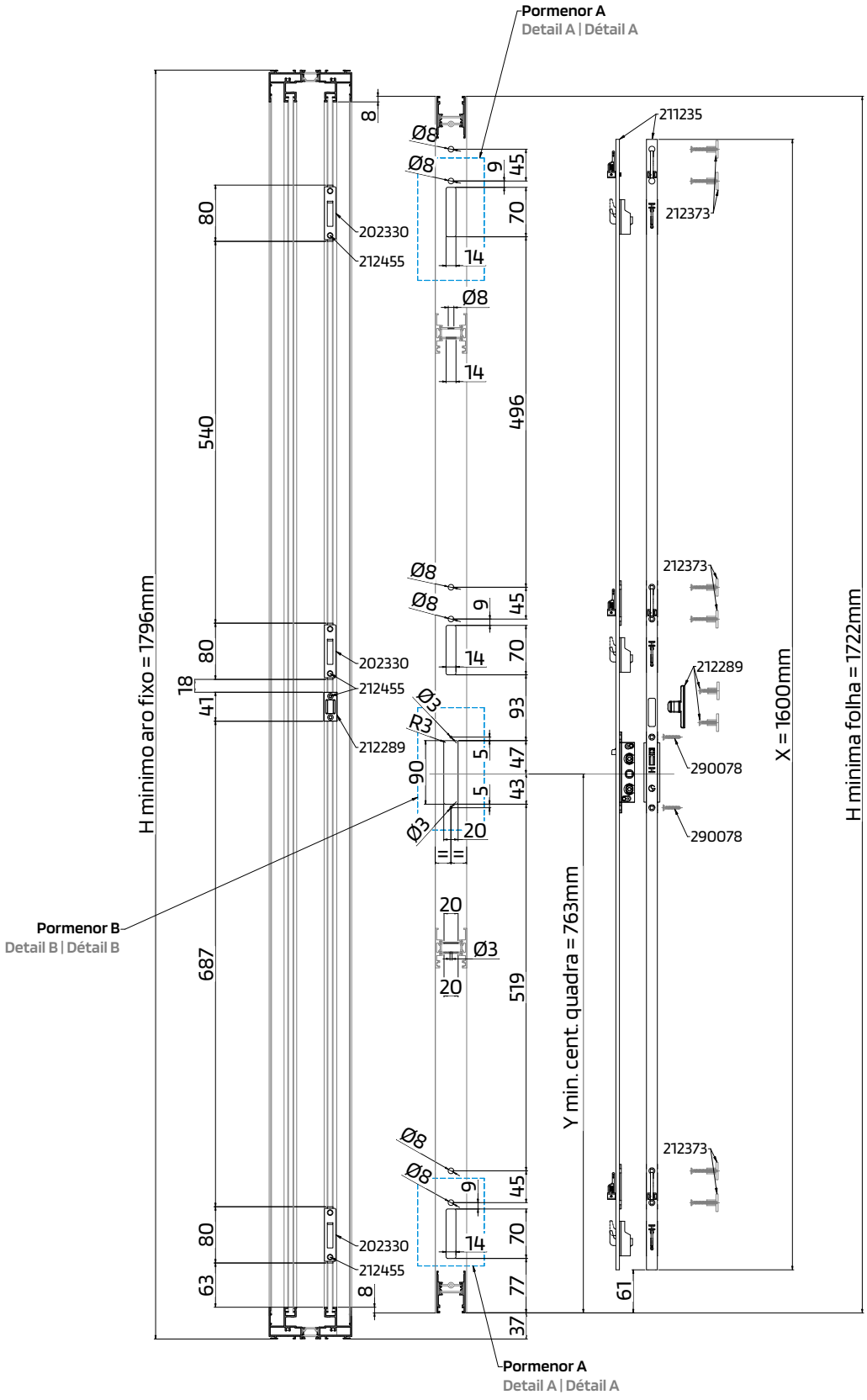
minimo de aro fixo com 1 centrador

**Pormenor A**
Detail A | Détail A

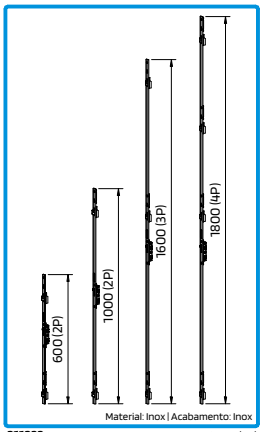



**Pormenor B**
Detail B | Détail B



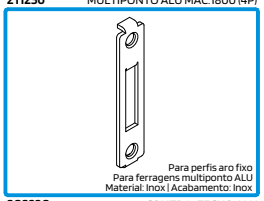



MAQUINAÇÕES PARA FERRAGEM
PONTO-FECHO: **ALU MAC.1800 (4P)**
ALU MAC MULTIPOINT HARDWARE:
**ALU MAC.1800 (4P)**
USINAGE POUR FERRURE MULTIPOINT
ALU MA: **ALU MAC.1800 (4P)**



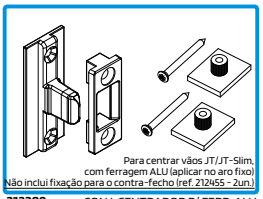

Material: Inox | Acabamento: Inox

**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)



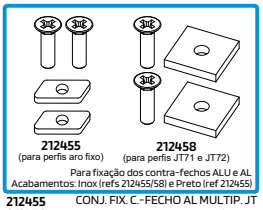
Para perfis aro fixo
Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202330** CONTRA-FECHO ALU



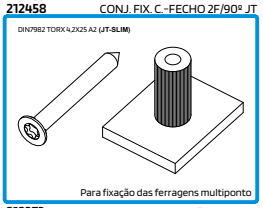
Para centrar vãos JT/JT-Slim, com ferragem ALU (aplicar no aro fixo)
Não inclui fixação para o contra-fecho (ref. 212455 - 2un.)

**212289** CONJ. CENTRADOR P/ FERR. ALU



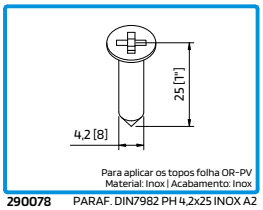

Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox (refs 212455/58) e Preto (ref 212455)

**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT




Para fixação das ferragens multiponto

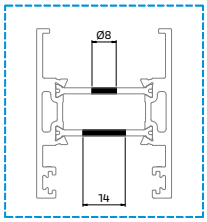
**212373** CONJ. FIXAÇÃO JT-SLIM



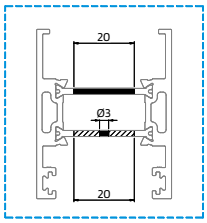

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2

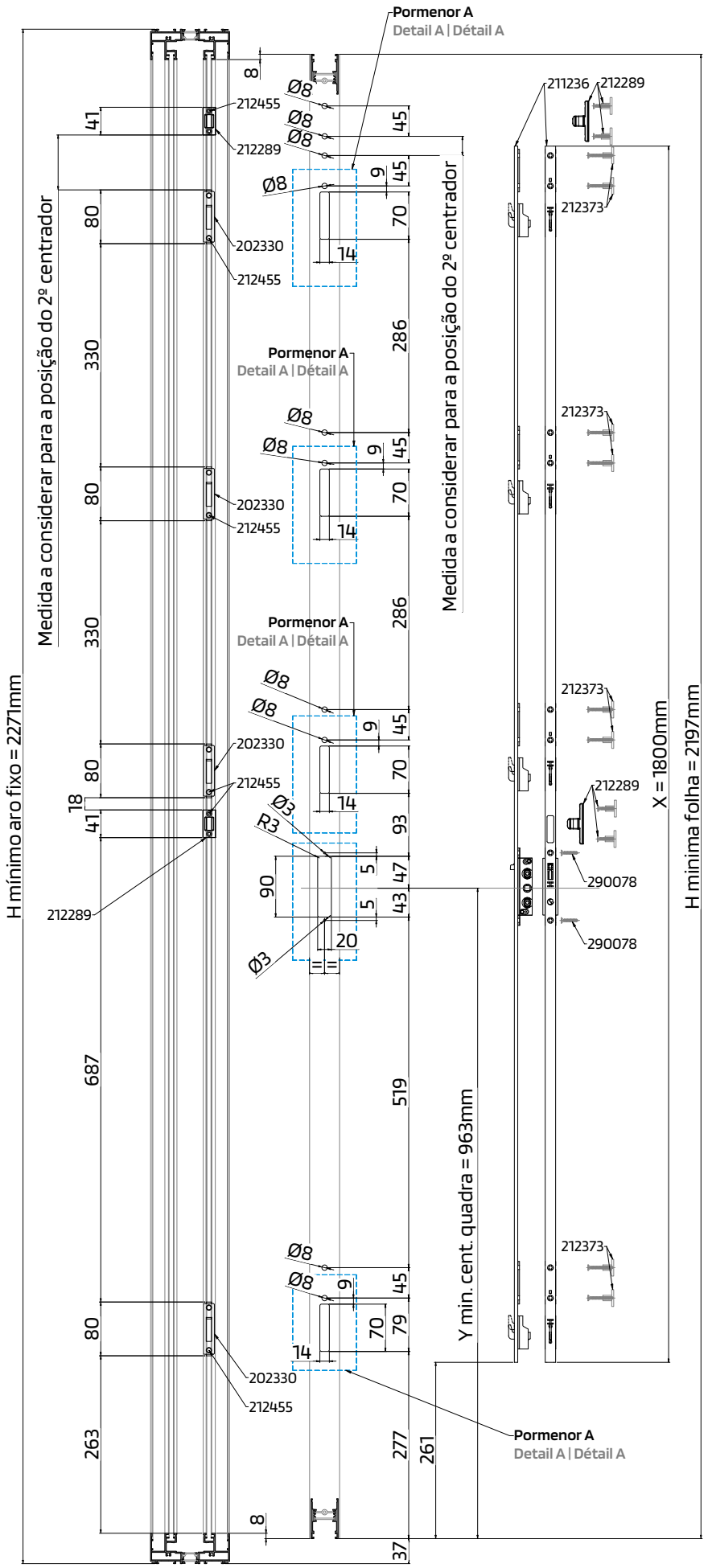
**Pormenor A**
Detail A | Détail A




**Pormenor B**
Detail B | Détail B

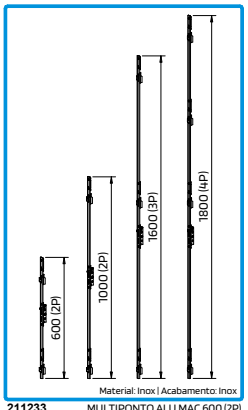



minimo de aro fixo com 2 centradores

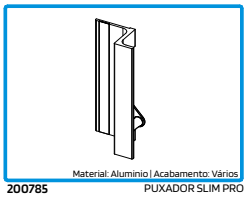


## MAQUINAÇÕES PARA FERRAGEM MULTIPONTO ALU MAC
ALU MAC MULTIPOINT HARDWARE
USINAGE POUR FERRURE MULTIPOINT ALU MAC

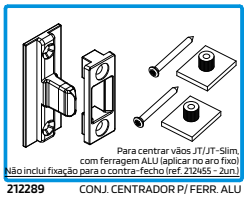
### Esquema de aplicação
Application scheme | Schéma d'application




**211233** MULTIPONTO ALU MAC.600 (2P)
**211234** MULTIPONTO ALU MAC.1000 (2P)
**211235** MULTIPONTO ALU MAC.1600 (3P)
**211236** MULTIPONTO ALU MAC.1800 (4P)

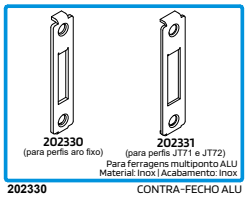



**200785** PUXADOR SLIM PRO



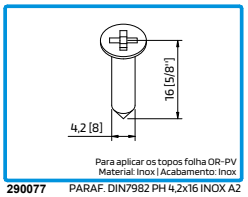
Para centrar vãos JT/JT-Slim, com ferragem ALU (aplicar no aro fixo)
Não inclui fixação para o contra-fecho (ref. 212455 - 2un.)

**212289** CONJ. CENTRADOR P/ FERR. ALU



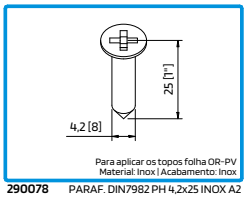

Para ferragens multiponto ALU
Material: Inox | Acabamento: Inox

**202330** CONTRA-FECHO ALU
**202331** CONTRA-FECHO Nº2 2F/90º ALU



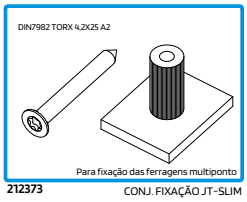

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290077** PARAF. DIN7982 PH 4,2x16 INOX A2



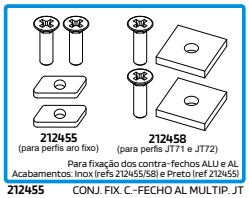

Para aplicar os topos folha OR-PV
Material: Inox | Acabamento: Inox

**290078** PARAF. DIN7982 PH 4,2x25 INOX A2



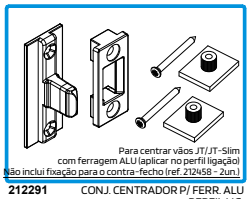

Para fixação das ferragens multiponto

**212373** CONJ. FIXAÇÃO JT-SLIM



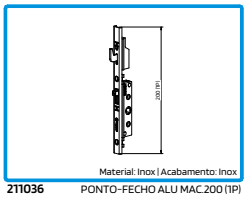

Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox (refs 212455/58) e Preto (ref 212455)

**212455** CONJ. FIX. C.-FECHO AL MULTIP. JT
**212458** CONJ. FIX. C.-FECHO 2F/90º JT



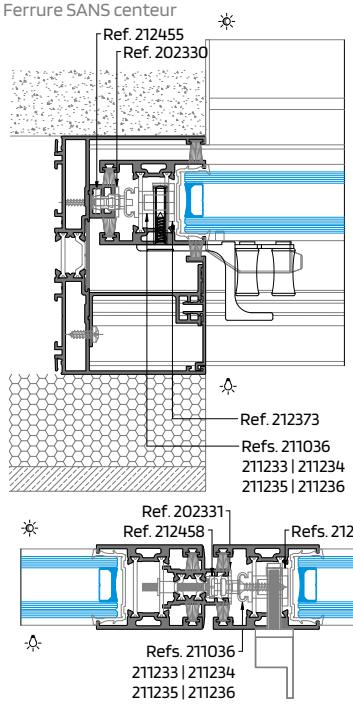
Para centrar vãos JT/JT-Slim
com ferragem ALU (aplicar no perfil ligação)
Não inclui fixação para o contra-fecho (ref. 212458 - 2un.)

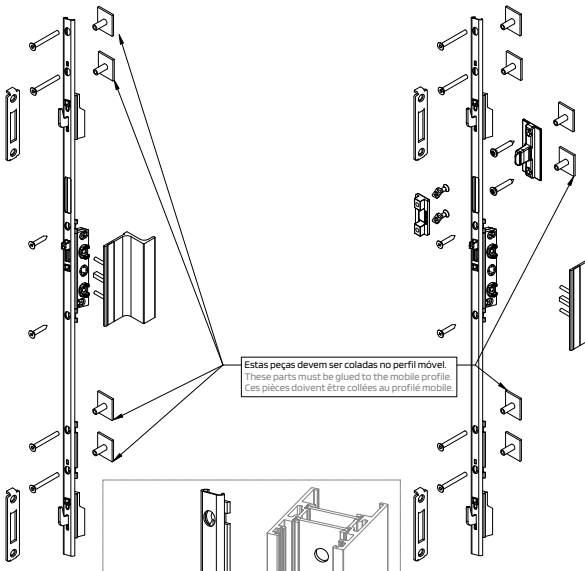
**212291** CONJ. CENTRADOR P/ FERR. ALU PERFIL LIG.

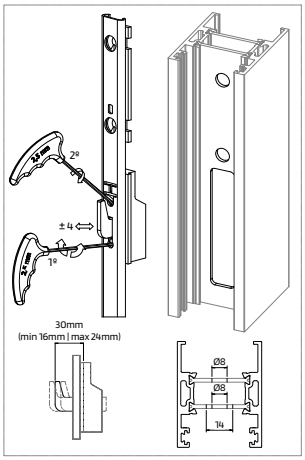



**211036** PONTO-FECHO ALU MAC.200 (1P)

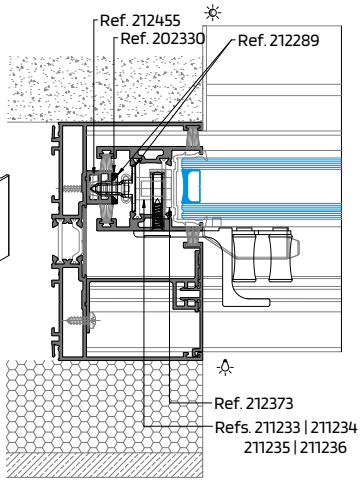
### Ferragem SEM centrador
Hardware WITHOUT centerer
Ferrure SANS centeur

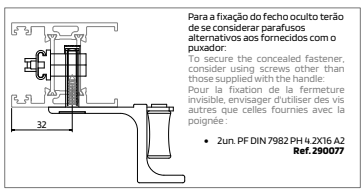


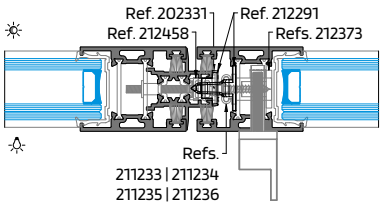

### Ferragem COM centrador
Hardware WITH centerer
Ferrure AVEC centeur

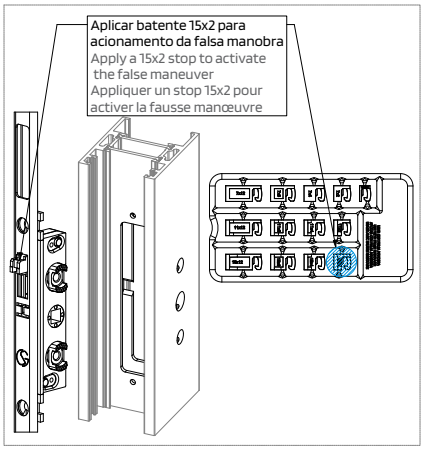



Para a fixação do fecho oculto terão de se considerar parafusos alternativos aos fornecidos com o puxador:
To secure the concealed fastener, consider using screws other than those supplied with the handle:
Pour la fixation de la fermeture invisible, envisager d'utiliser des vis autres que celles fournies avec la poignée :

- 2un. PF DIN 7982 PH 4 2X16 A2 **Ref. 290077**




**ACESSÓRIOS A CONSIDERAR POR FERRAGEM MULTIPONTOS ALU MAC:**
**ACCESSORIES TO CONSIDER BY ALU MAC MULTIPOINT HARDWARE:**
**ACCESSOIRES À CONSIDÉRER PAR FERRURE MULTIPOINT ALU MAC:**

| Ref. | MAC.200 (1P) | MAC.600 (2P) | MAC.1000 (2P) | MAC.1600 (3P) | MAC.1800 (4P) |
|---|---|---|---|---|---|
| | sem centrador \| without centrerer \| sans centeur | | | | |
| 211036 | 1 | - | - | - | - |
| 211233 \| 211234 211235 \| 211236 | - | 1 | 1 | 1 | 1 |
| 200785 | 1 | 1 | 1 | 1 | 1 |
| 212373 | - | 4 | 4 | 6 | 8 |
| 202330 [a] ou \| ou \| or 202331 [b] | 1 | 2 | 2 | 3 | 4 |
| 212455 [a] ou \| ou \| or 212458 [b] | 1 | 2 | 2 | 3 | 4 |
| 290078 | 2 | 2 | 2 | 2 | 2 |

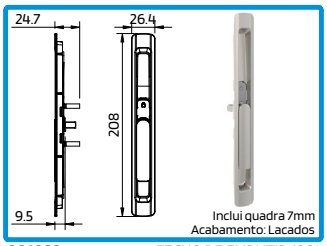
**ACESSÓRIOS A CONSIDERAR POR FERRAGEM MULTIPONTOS ALU MAC:**
**ACCESSORIES TO CONSIDER BY ALU MAC MULTIPOINT HARDWARE:**
**ACCESSOIRES À CONSIDÉRER PAR FERRURE MULTIPOINT ALU MAC:**

| Ref. | MAC.600 (2P) | MAC.1000 (2P) | MAC.1600 (3P) | MAC.1800 (4P) |
|---|---|---|---|---|
| | com centrador \| with centrerer \| avec centeur | | | |
| 211233 \| 211234 211235 \| 211236 | 1 | 1 | 1 | 1 |
| 200785 | 1 | 1 | 1 | 1 |
| 212373 | 4 | 4 | 6 | 8 |
| 202330 [a] ou \| ou \| or 202331 [b] | 2 | 2 | 3 | 4 |
| 212455 [a] ou \| ou \| or 212458 [b] | 3 | 3 | 4 \| 5 | 6 |
| 290078 | 2 | 2 | 2 | 2 |

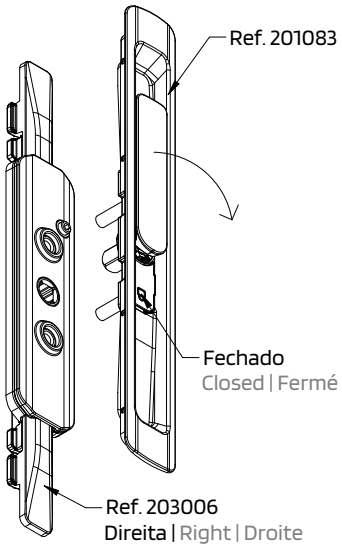
[a] Para tipologias de aro fixo.
For fixed frame typologies. | Pour les types de châssis fixes.

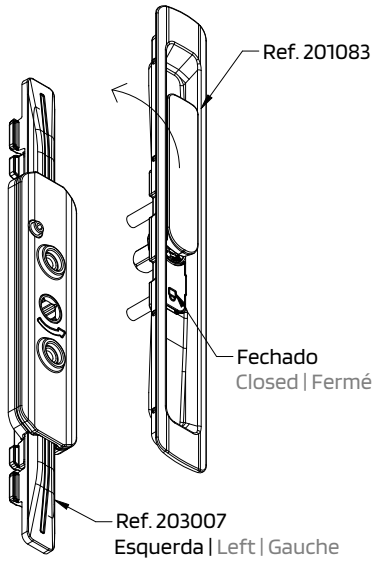
[b] Para tipologias de encontro no mesmo rail e canto.
For meeting on the same rail and corner typologies. | Pour les typologies de réunion sur le même rail et d'angle.

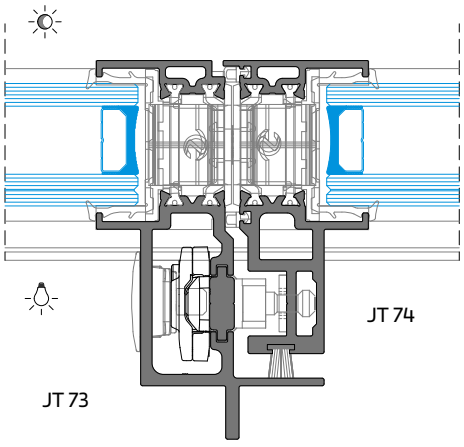
## ESQUEMA DAS CAIXAS DE TRANSMISSÃO DIRT. E ESQ.
RIGHT AND LEFT GEAR BOX SCHEME
SCHÉMA DES BOÎTE DE TRANSMISSION DROITE ET GAUCHE

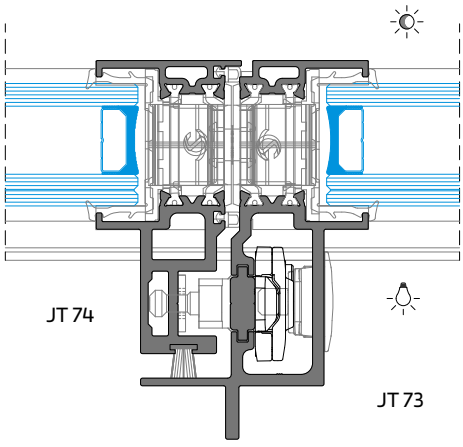



**201083** FECHO DE EMBUTIR 180º

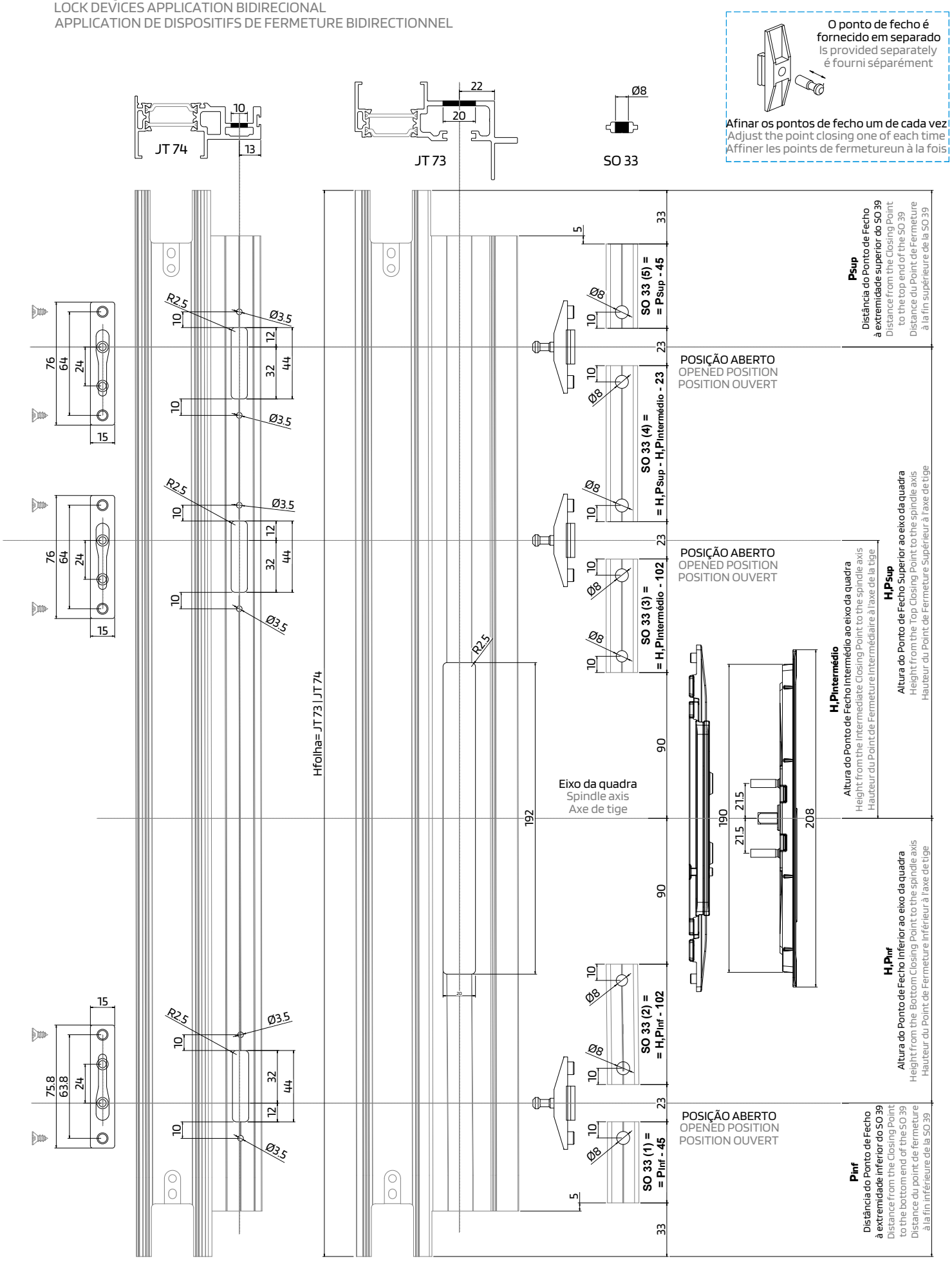


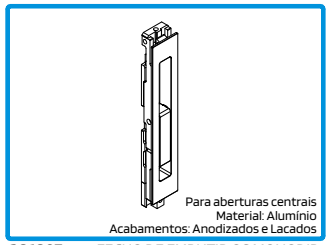



## APLICAÇÃO DO FECHO, GACHES E CAIXA DE TRANSMISSÃO BIDIRECTIONAL
LOCK DEVICES APPLICATION BIDIRECIONAL
APPLICATION DE DISPOSITIFS DE FERMETURE BIDIRECTIONNEL

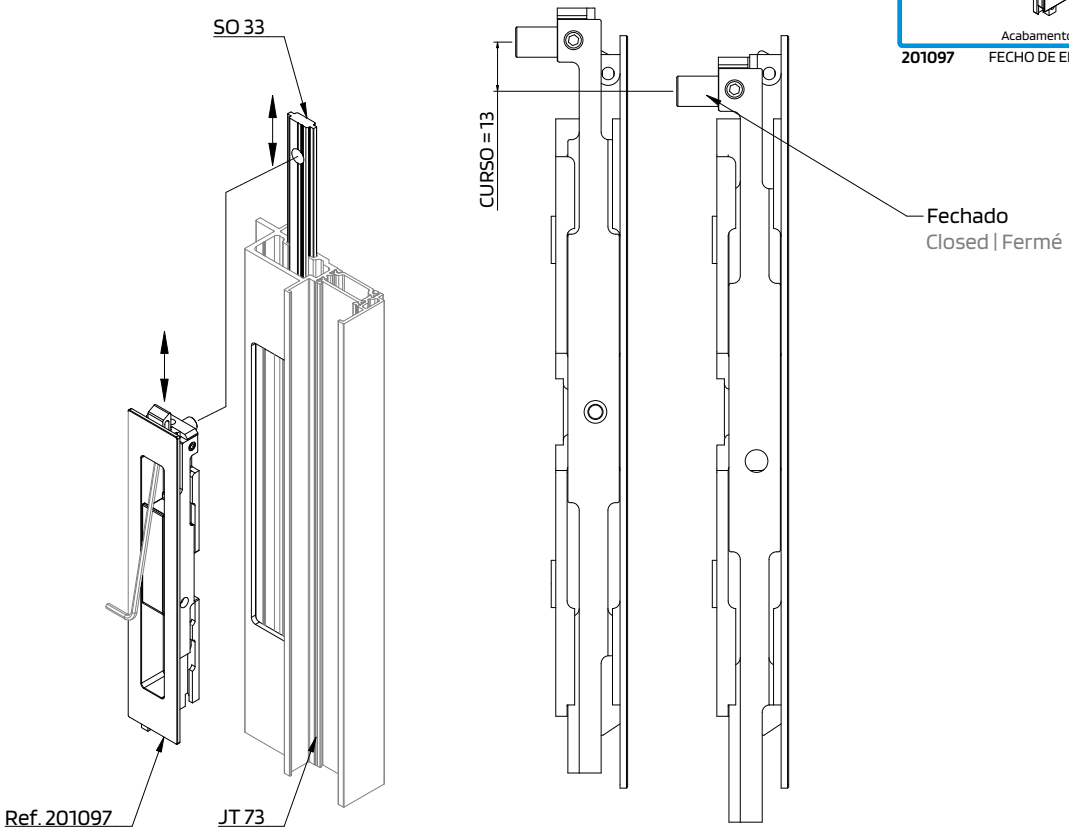


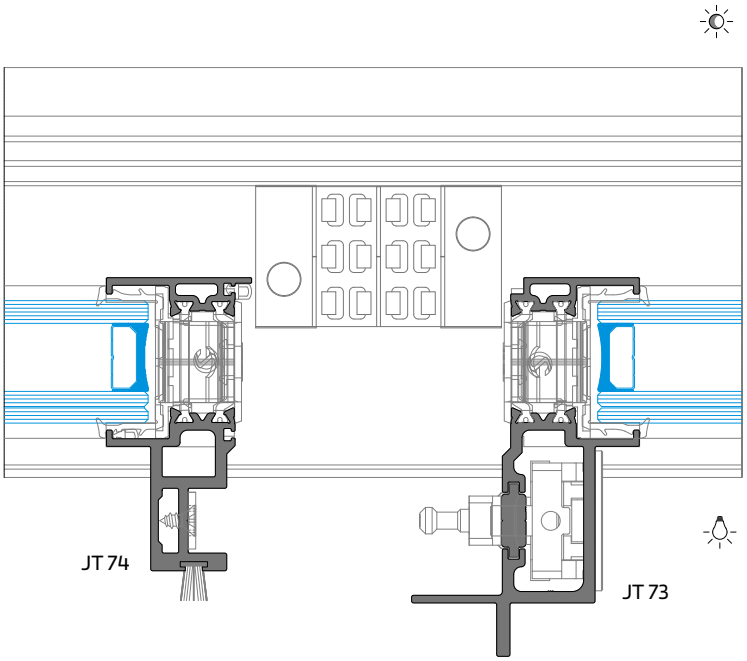
## MECANISMO MONODIRECCIONAL
## MONODIRECTIONAL MECHANISM
## MÉCANISME MONODIRECTIONNEL



Para aberturas centrais
Material: Alumínio
Acabamentos: Anodizados e Lacados

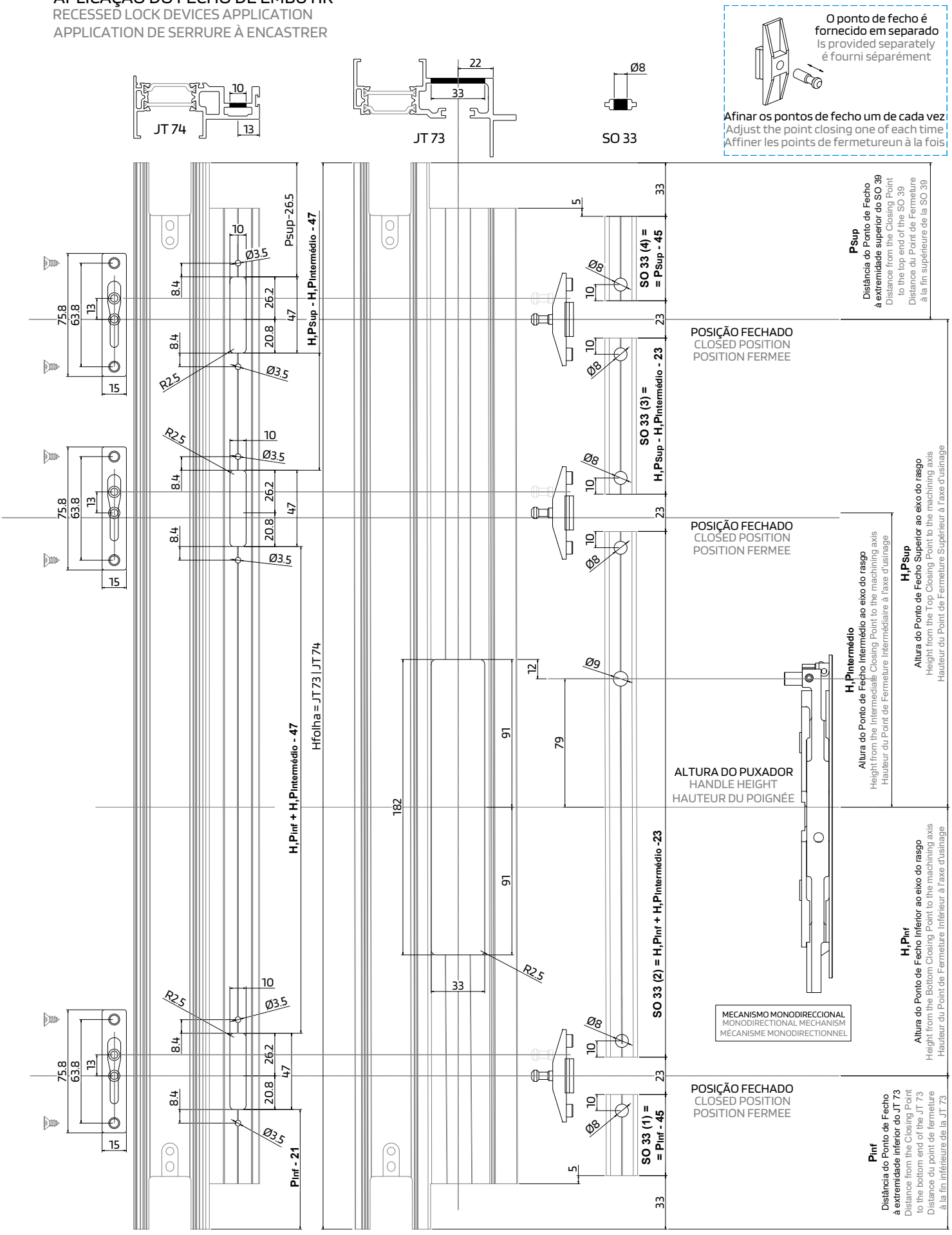
**201097** FECHO DE EMBUTIR OS MONODIR.



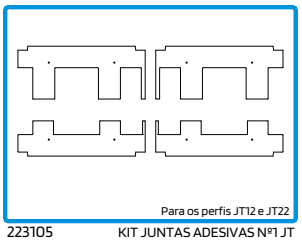
## APLICAÇÃO DO FECHO DE EMBUTIR
RECESSED LOCK DEVICES APPLICATION
APPLICATION DE SERRURE À ENCASTRER



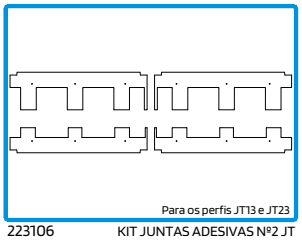


## MONTAGEM DOS PERFIS ARO FIXO (CORTE 90º)
FIXED FRAME PROFILES ASSEMBLY (90º CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 90º)

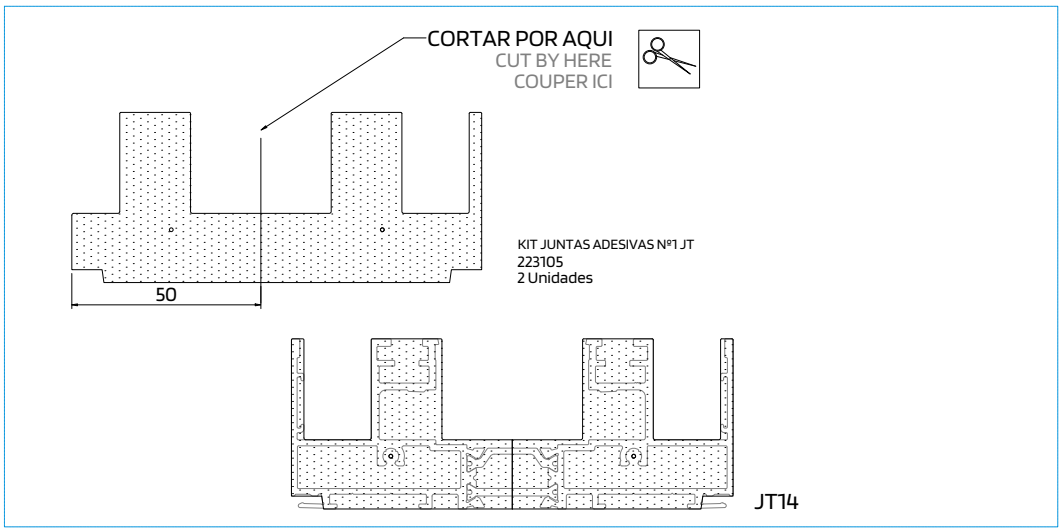
Corte dos kits de juntas para os aros fixos JT 14, JT 24 e JT 34.
Cutting of joint kits for fixed rims JT 14, JT 24 and JT 34.
Découpe des kits de joints pour les cercles fixes JT 14, JT 24 et JT 34.

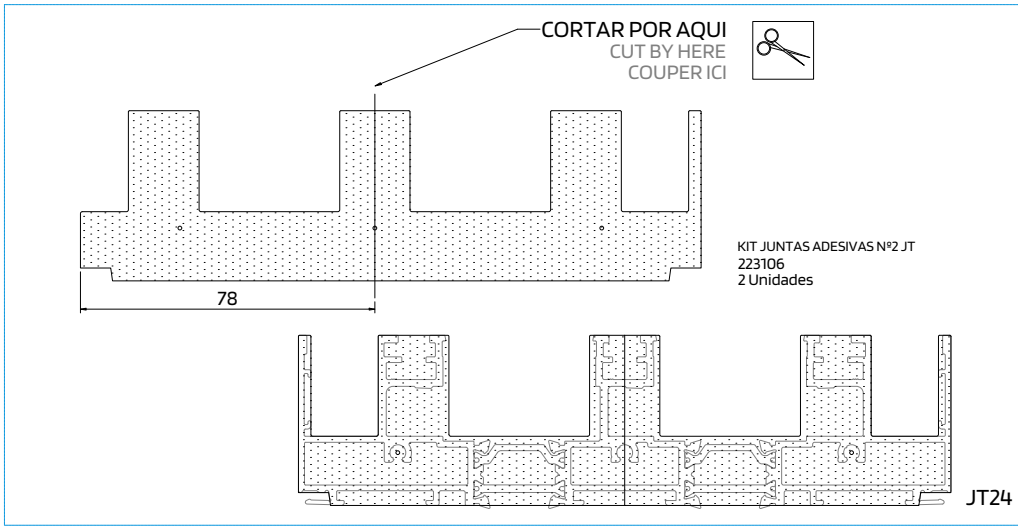


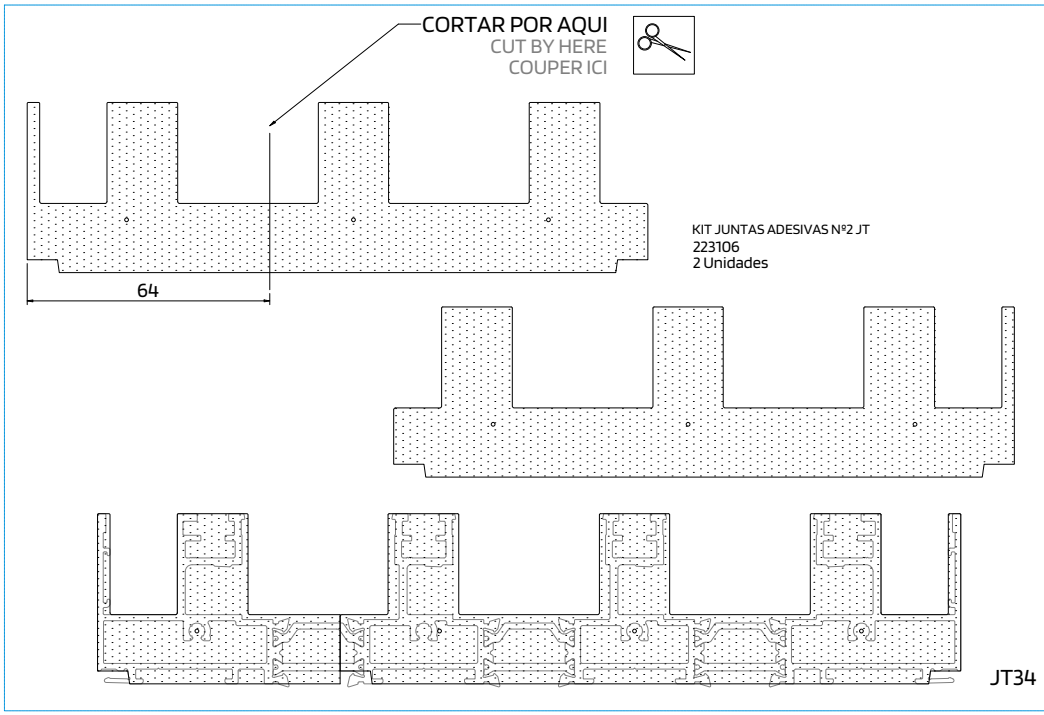

223105 KIT JUNTAS ADESIVAS Nº1 JT




223106 KIT JUNTAS ADESIVAS Nº2 JT

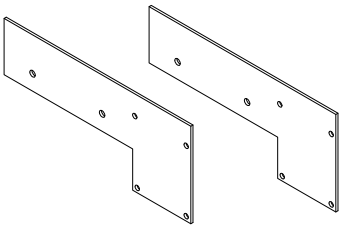


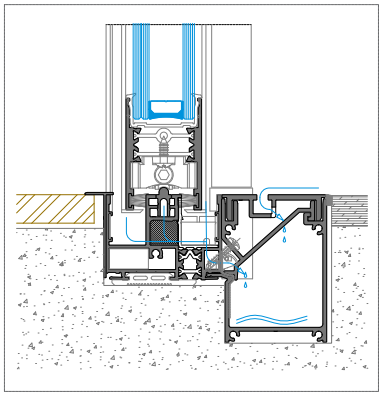
## CORTE DOS TOPOS PARA AS TIPOLOGIAS COM CALEIRA
CUTTING THE TOPS FOR TYPES WITH GUTTERS
COUPE DES EXTRÉMITÉS POUR LES TYPES AVEC GOUTTIÈRE

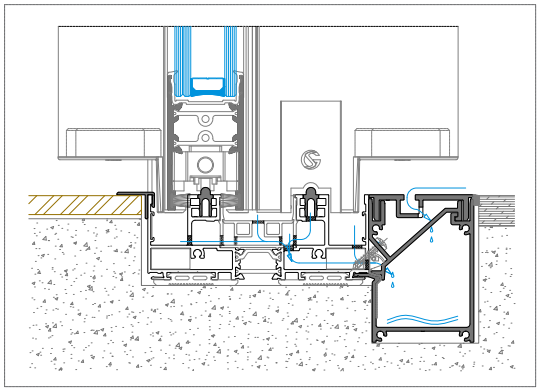
Cortes c/ disco de corte
cuts with cutting disc
avec disque de coupe

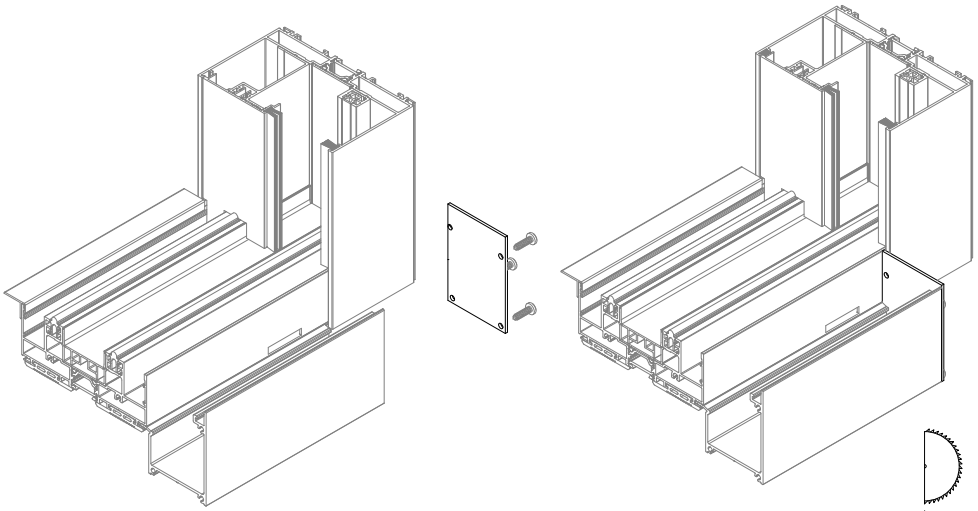


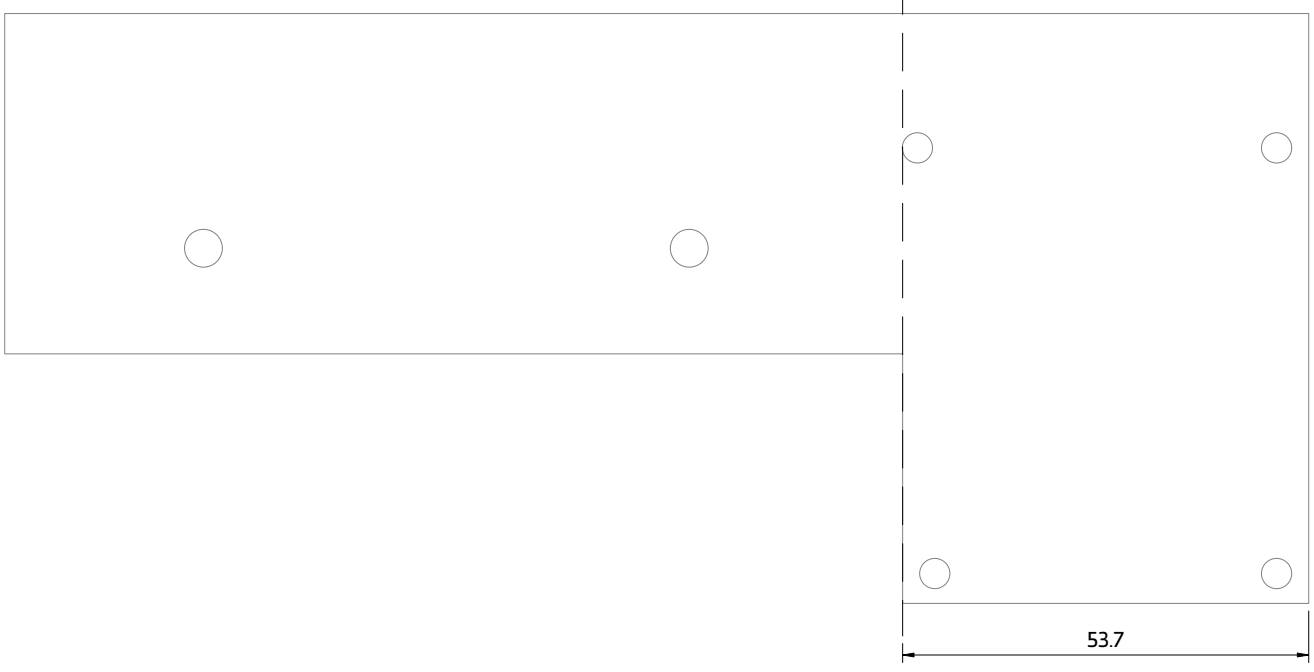
Aplicar nos perfis JT 14, JT 48 e JT 49
Material: Alumínio (2mm espessura)
Acabamentos: Bruto, Anodizados Natural e Preto

**212436** CONJ. TOPOS CALEIRA/SOLEIRA JT 2-RAIL





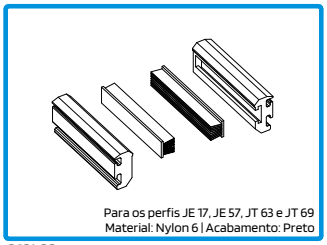




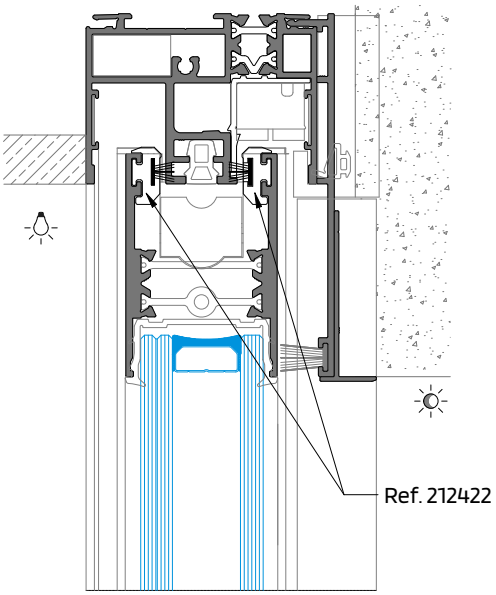
## MONTAGEM DE ACESSÓRIOS
ACCESSORIES ASSEMBLY
ASSEMBLAGE D'ACCESSOIRES

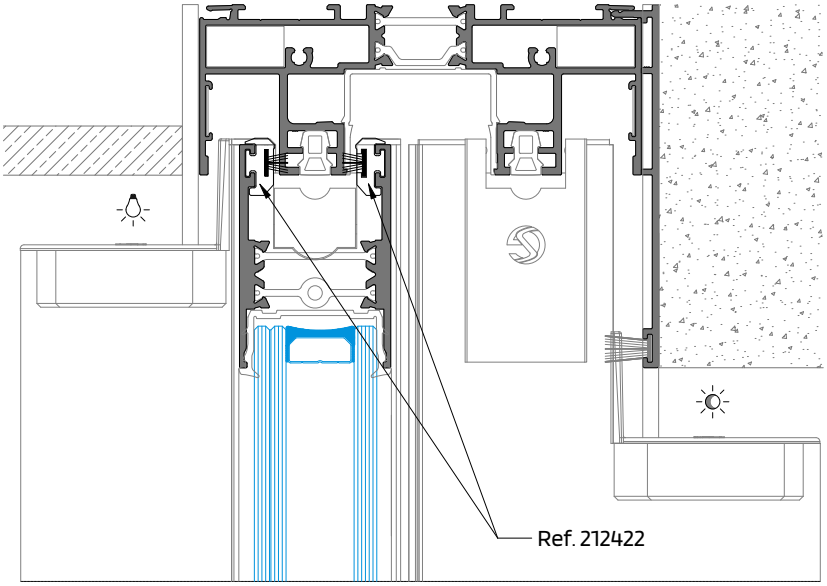
Montagem do Conjunto de Guias Superiores JT
Assembly of JT Upper Guides Kit
Assemblage de Kit des Guides Supérieures JT

| Quantidade a aplicar por folha<br>Quantity to apply per sash \| Quantité à appliquer par vantail | |
|---|---|
| **Sistema**<br>System \| Système | **JT Slim** |
| Largura da folha **(Lf)**<br>Sash width \| Largeur de la ventail | |
| De 0,00-1,00m<br>From 0,00-1,00m \| De 0,00-1,00m | 1 |
| De 1,00-2,00m<br>From 1,00-2,00m \| De 1,00-2,00m | 2 |



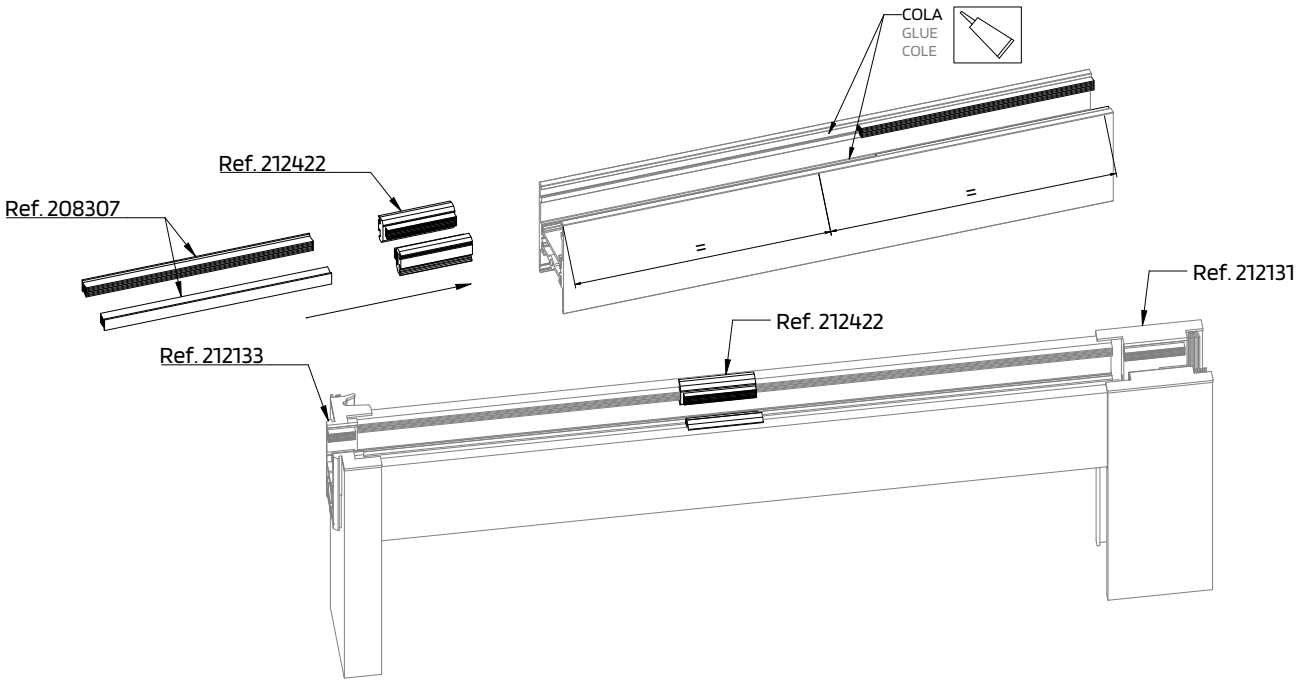

212422 CONJ. GUIAS SUPERIORES JT




**IMPORTANTE | IMPORTANT | IMPORTANT:**

**As Guias devem ser aplicadas nas travessas superiores antes de fechar o aro móvel**
**The Guides must be applied on the upper transoms before closing the mobile frame**
**Les Guides doivent être appliqués sur les traverses supérieures avant de fermer le cadre ouvrant**



# VI

## MONTAGENS
ASSEMBLIES
ASSAMBLAGES


Montagem dos perfis aro fixo PT (Corte 90º) VI . 1
PT Fixed frame profiles assembly (90º Cut)
Assemblage des profilés dormant PT (coupe 90º)

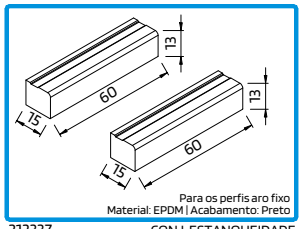
Montagem dos perfis aro móvel JT-Slim VI . 2
JT-Slim mobile frme profiles assembly
Assemblage des profilés ouvrant JT-Slim

# VI.1

Montagens dos perfis aros fixos PT (Corte 90º)
PT Fixed fraame profiles assembly (90º Cut) | Assemblage des profilés dormant PT (Coupe 90º)

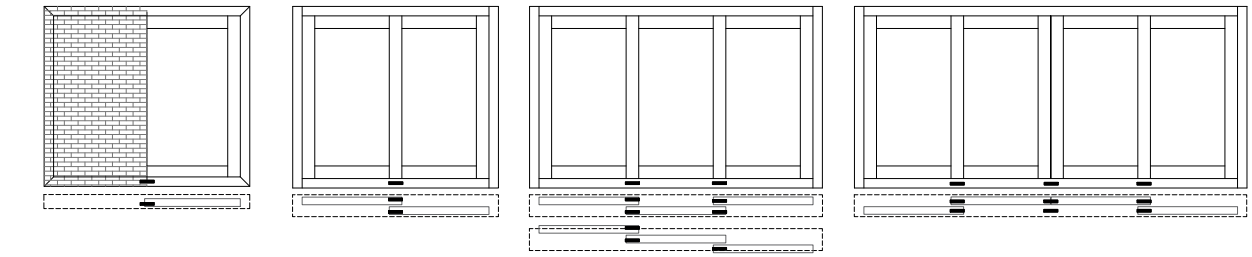
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

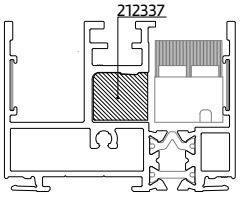
Colocação do conjunto de estanqueidade para corta-vento nos aros fixos.
Central waterproofing pile seal kit placing in fixed frames.
Mise en place du kit brosse centrale d'étanchéité pour les cadres dormants.



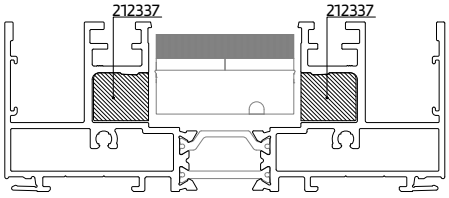
Para os perfis aro fixo
Material: EPDM | Acabamento: Preto
212337 CONJ. ESTANQUEIDADE CORTA-VENTO JT

Colocar o Conjunto de estanqueidade, apenas em baixo, no cruzamento das folhas onde posteriormente levará o perfil PVC U, PVC L e os corta-ventos. **Seguir este procedimento em todos os perfis de aro fixo PT.**
Place the central waterproofing pile seal kit, only on the bottom, at the intersection of the sashes where later the U PVC, L PVC profile and the central gasket will be. **Follow this procedure in all fixed frame profiles PT.**
Placer le kit brosse centrale d'etanchéité à l'intersection des vantaux, juste en bas, où prendront plus tard le profilé PVC U, PVC L et les brosses centrales d'etanchéite. **Suiver cette procédure sur tous les profilés dormant PT.**

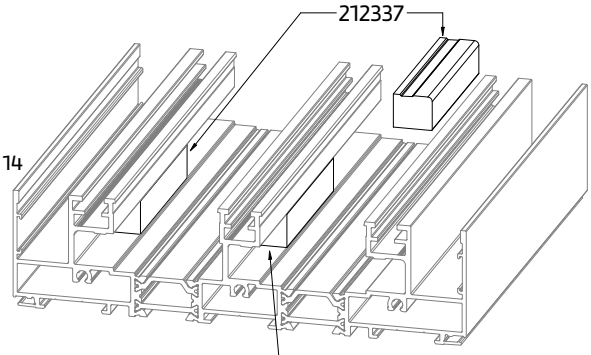


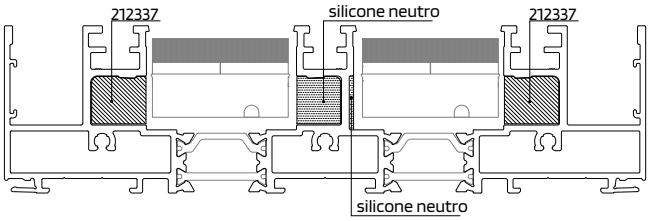


JT 05

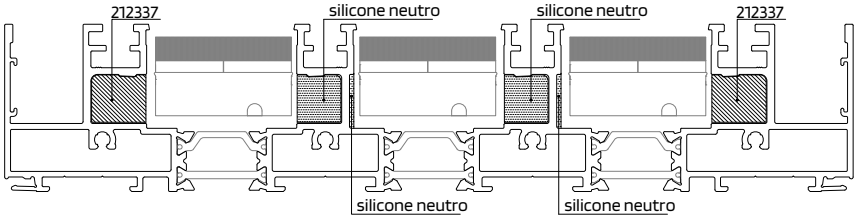


JT 14



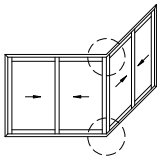



JT 24

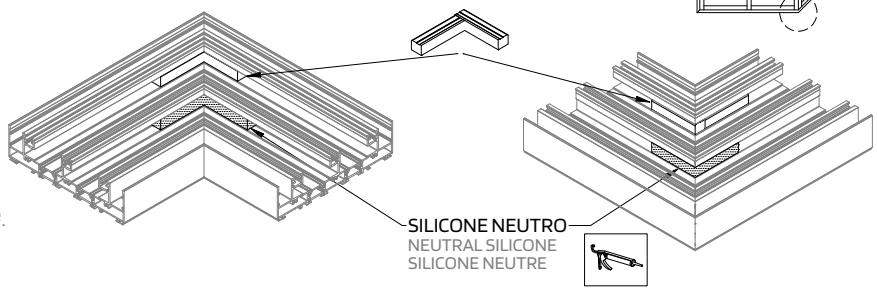


JT 34

SILICONE NEUTRO
NEUTRAL SILICONE
SILICONE NEUTRE



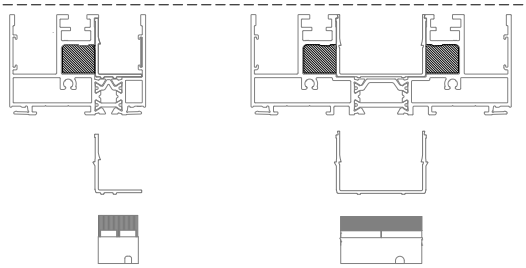
Aplicar os Conjunto de estanqueidade na zona do corta-vento 90°. **Seguir este procedimento em todos os perfis de aro fixo PT.**
Apply the Central waterproofing pile seal kits in the 90° Central gasket area. **Follow this procedure in all fixed frame profiles PT.**
Appliquer les Kits brosse centrale d'etanchéité dans la zone du brosse centrale d'etanchéité à 90º. **Suiver cette procédure sur tous les profilés dormant PT.**




**1º** Conj. estanqueidade (em baixo)
Waterproofing kit (on the bottom)
Kit d´etanchéité (en bas)

**2º** Perfil PVC U
PVC U Profile
Profilé PVC U

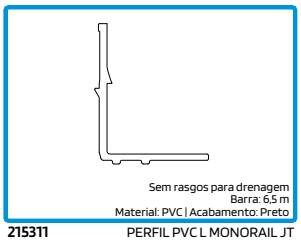
**3º** Corta-vento
Central waterproofing pile seal
Brosse centrale d´etanchéité



## MONTAGEM DO PERFIL ARO FIXO PT (CORTE 45º)
PT FIXED FRAME PROFILE ASSEMBLY (45º CUT)
ASSEMBLAGE DE PROFILÉ DORMANT PT (COUPE 45º)

Colocação dos perfis PVC L nos aros fixos.
L PVC profile placing in fixed frames.
Mise en place du profilé PVC l sur le cadre dormant.

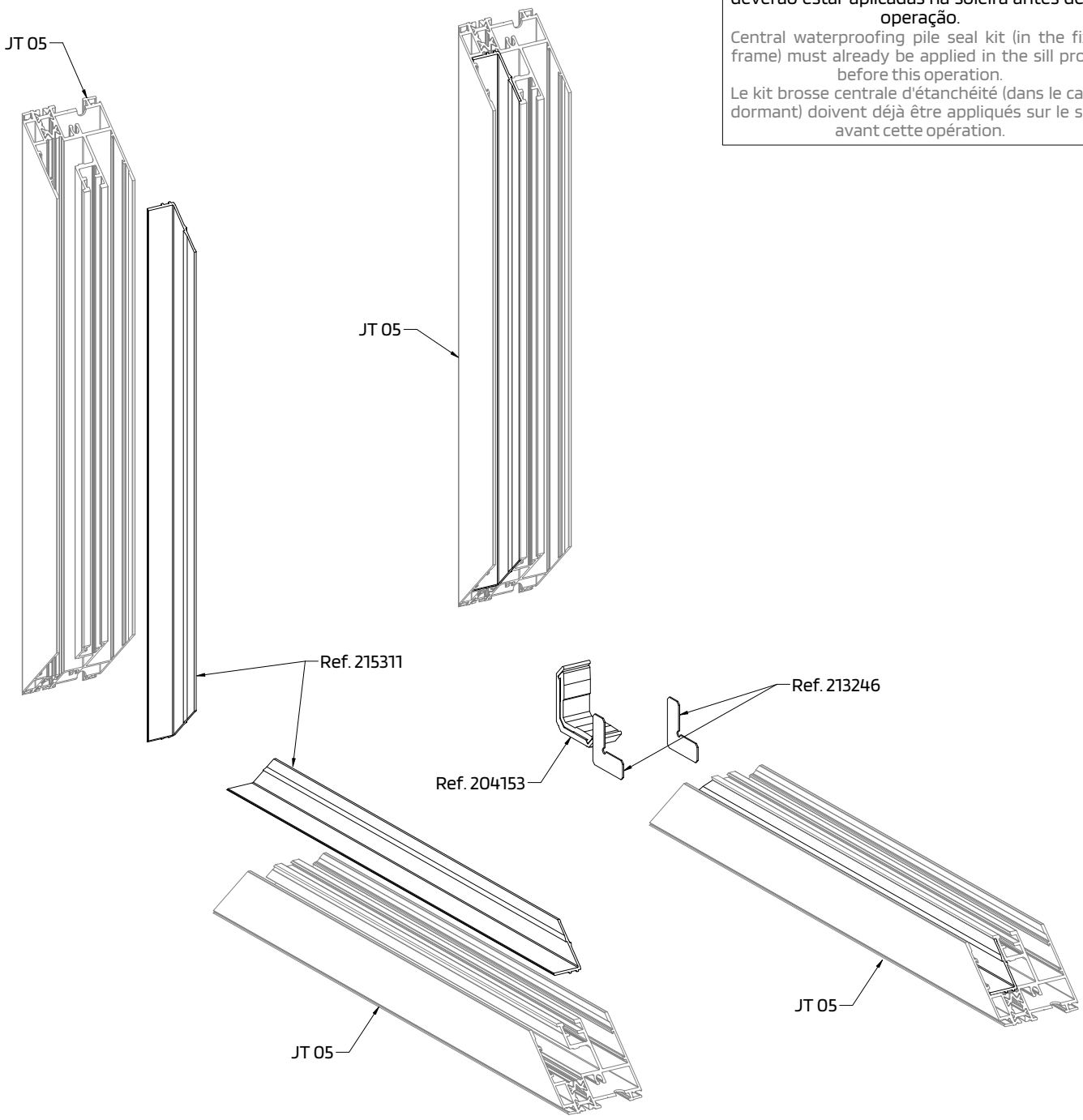





**215311** PERFIL PVC L MONORAIL JT

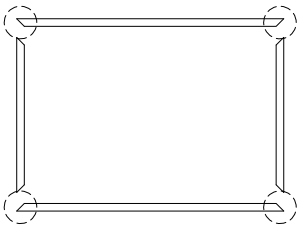
Antes de fechar as esquadrias com os esquadros, colocar o perfil de PVC L.
Before closing the frames with the squares, place the PVC L profile.
avant de fermer les châssis avec les équerres, placez le profilé en PVC L.

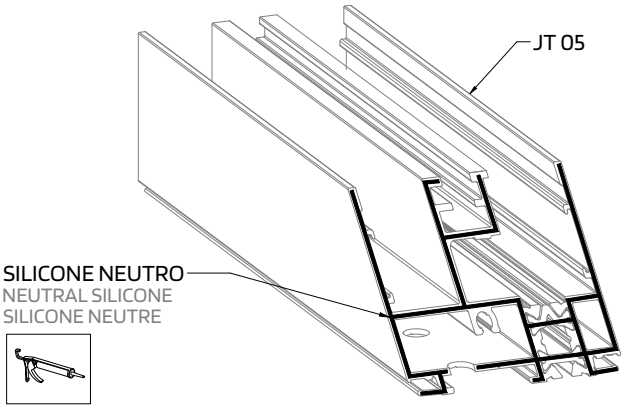
**IMPORTANTE | IMPORTANT | IMPORTANT:**
O conjunto de estanqueidade (no aro fixo ) já deverão estar aplicadas na soleira antes desta operação.
Central waterproofing pile seal kit (in the fixed frame) must already be applied in the sill profile before this operation.
Le kit brosse centrale d'étanchéité (dans le cadre dormant) doivent déjà être appliqués sur le seuil avant cette opération.



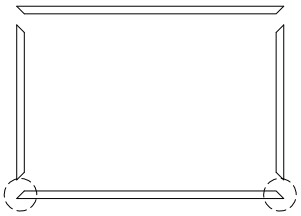
## MONTAGEM DOS PERFIS ARO FIXO (CORTE 45°)
FIXED FRAME PROFILES ASSEMBLY (45° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 45°)

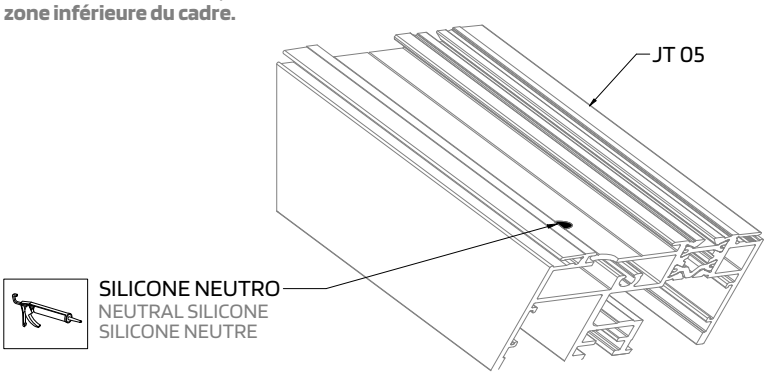
Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias. **Seguir este procedimento em todos os perfis de aro fixo PT.**
Apply silicone in the same color as the profiles or neutral silicone in the frame's areas. **Follow this procedure in all fixed frame PT profiles.**
Appliquer du silicone sur la couler des profilés ou du silicone neutre dans la zone des cadres. **Suiver cette procédure sur tous les profilés dormant PT.**



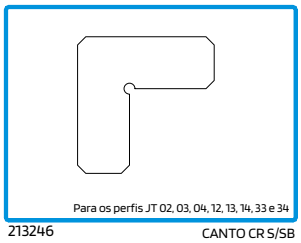



Antes de colocar os esquadros, encher as câmaras dos perfis fixos com silicone neutro, de modo a ficarem seladas. **Seguir este procedimento em todos os perfis de aro fixo PT, apenas na zona inferior do caixilho.**
Before placing the corner cleats, the fixed frame profiles chambers must be filled with neutral silicone, in order to be sealed. **Follow this procedure in all the fixed frame PT profiles, only in the lower zone of the frame.**
Avant d'installer les équerres, les chambres des profilés dormants doivent être remplies de silicone neutre afin d'être scellées. **Suiver cette procédure sur tous les profilés dormant PT, uniquement dans la zone inférieure du cadre.**

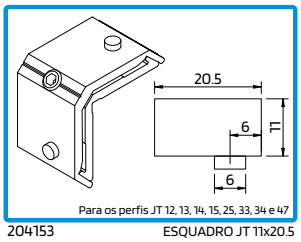




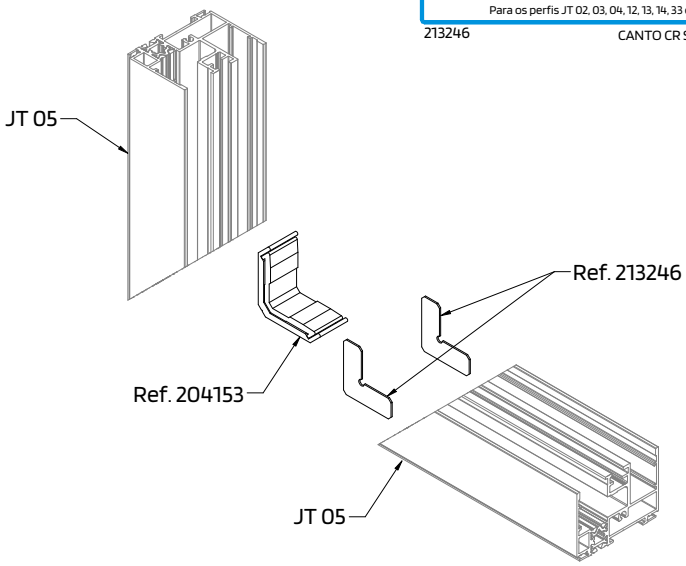

Aplicação de esquadros de aperto e cantos de alinhamento no aro fixo.
Corner cleats and the alignment corners applying in fixed frame.
Application des équerres et les angles d'alignement sur le cadre dormant.




213246 CANTO CR S/SB



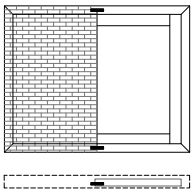

204153 ESQUADRO JT 11x20.5

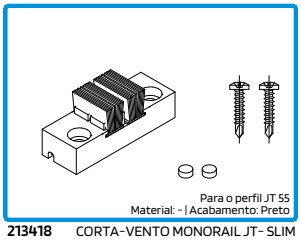


## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

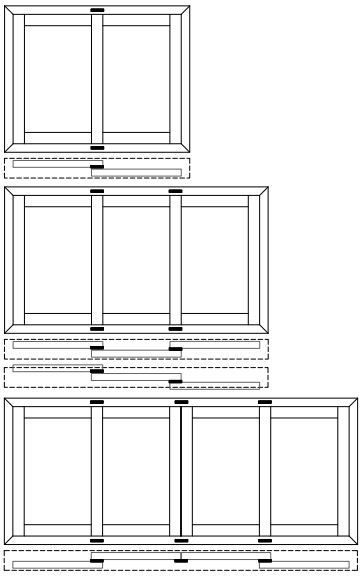
Colocação dos corta-ventos nos aros fixos.
Central waterproofing pile seal placing in fixed frames.
Placement des brosses centrale d'etanchéité sur les cadres dormants.

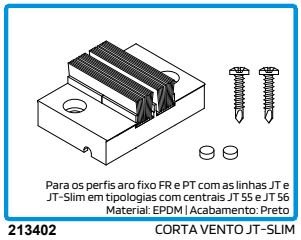
Em primeiro colocar os corta-ventos na soleira. Os corta-ventos da padieira deverão ser colocados depois das folhas de correr já estarem aplicadas. **Seguir este procedimento em todos os perfis de aro fixo PT.**
First place the lower central waterproofing pile seals on the sill. The lintel central waterproofing pile seals must be placed after the sliding sashes are already applied. Follow this procedure in all fixed frame PT profiles.
En premier placer les brosses centrale d'etanchéité sur le seuil. Les brosses centrale d'etanchéité sur le linteau doivent être placés après que les vantaux coulissant sont déjà appliquées. **Suiver cette procédure sur tous les profilés dormant PT.**



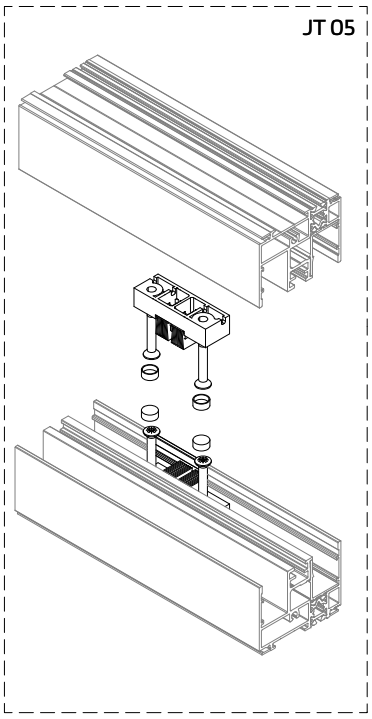


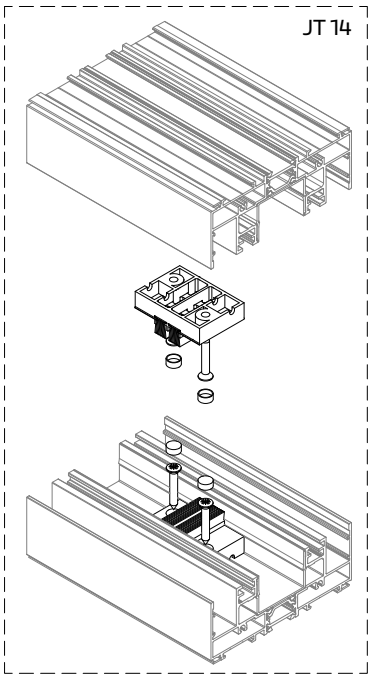

**213418** CORTA-VENTO MONORAIL JT- SLIM



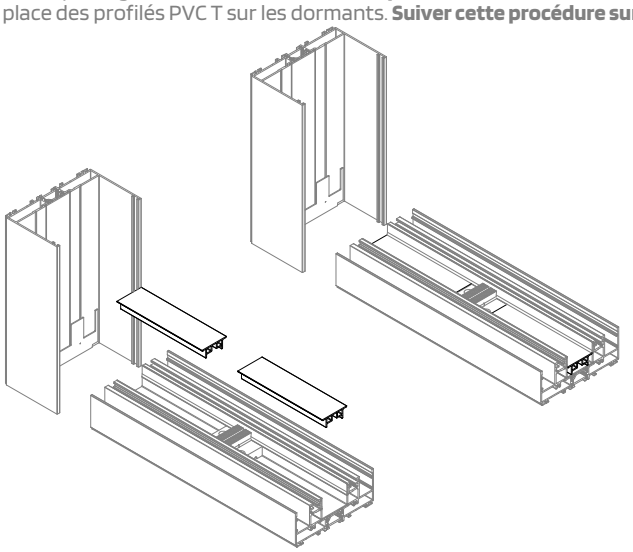


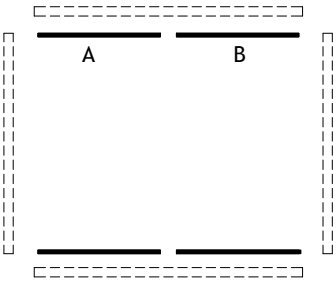

**213402** CORTA VENTO JT-SLIM




Colocação dos perfis PVC T nos aros fixos. **Seguir este procedimento em todos os perfis de aro fixo PT.**
T PVC profiles placing in fixed frames. **Follow this procedure in all fixed frame profiles PT.**
Mise en place des profilés PVC T sur les dormants. **Suiver cette procédure sur tous les profilés dormant PT.**





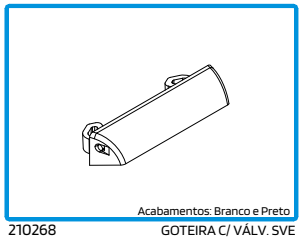

**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os perfis PVC T superiores opcionais (A e B, no esquema acima) só deverão ser colocados depois das folhas de correr já estarem aplicadas.
The optional upper T PVC profiles (A and B, in the scheme above) should only be installed after the sliding sashes are already applied.
Les profilés PVC T supérieurs en option (A et B, dans le schéma ci-dessus) ne doivent être installés qu'après l'application des plaques coulissantes.

**NOTA | NOTE | REMARQUE:**
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 água.
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.
L'utilisation de profilés PVC T inférieurs n'est recommandée que dans les travées encastrées (sans incidence directe de pluie), car ils réduisent la capacité d'évacuation de l'eau.

## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

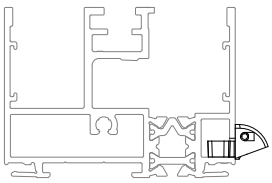
Colocação de goteiras nos aros fixos.
Drips placing in fixed frames.
Placement des clapets sur les cadres dormants.

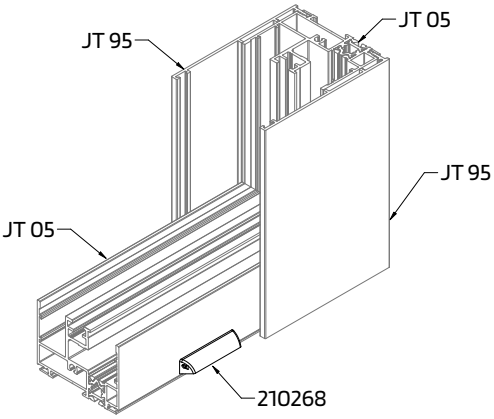
Colocar as goteiras pelo exterior do perfil e fixá-las com pontos de cola. **Seguir este procedimento em todos os perfis de aro fixo PT.**
Place the drips from the outside of the profile and fix them with glue points. **Follow this procedure in all PT fixed frame profiles**.
Placer les lapets à volet à l'éxtérieur du profilé et fizer-les avec des points de cole. **Suiver cette procédure sur ous les profilés dormant PT.**

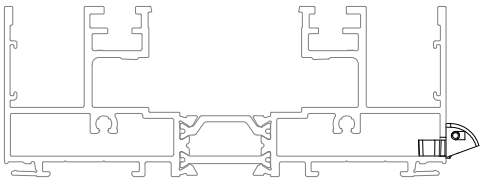


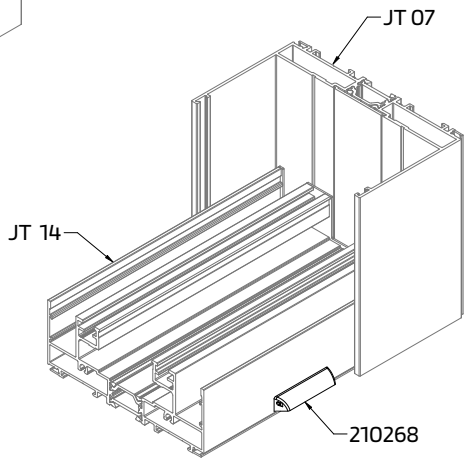
210268 GOTEIRA C/ VÁLV. SVE

Tipologias 1, 2, 3 e 4 folhas JT Oculta

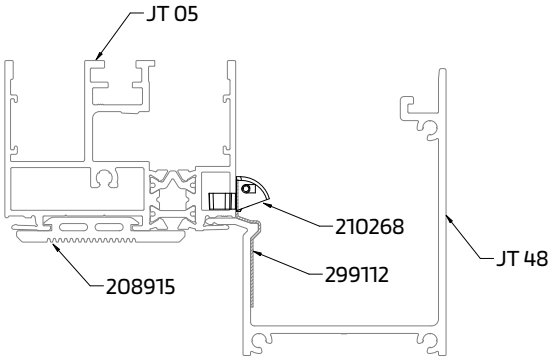

JT 05

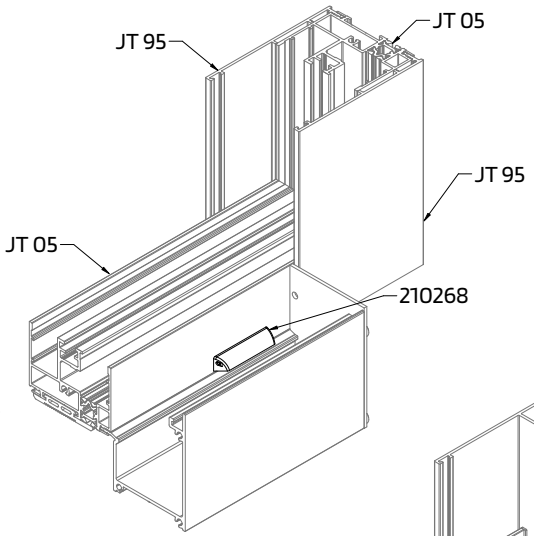


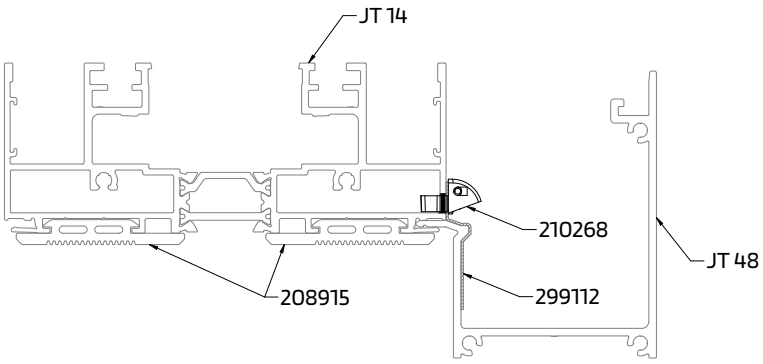


JT 14

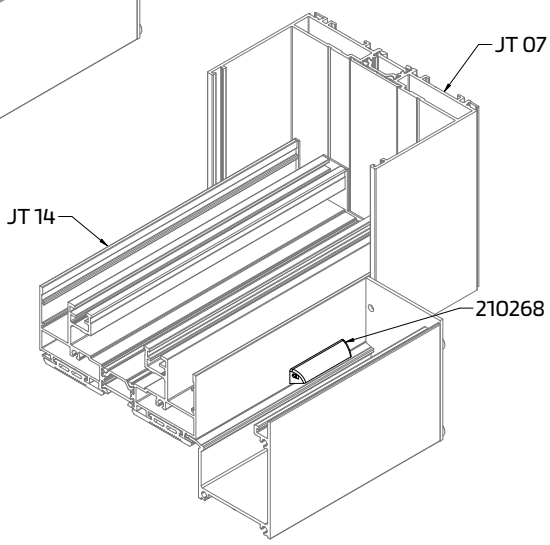



Tipologias 1, 2, 3 e 4 folhas JT Oculta com caleira



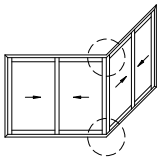



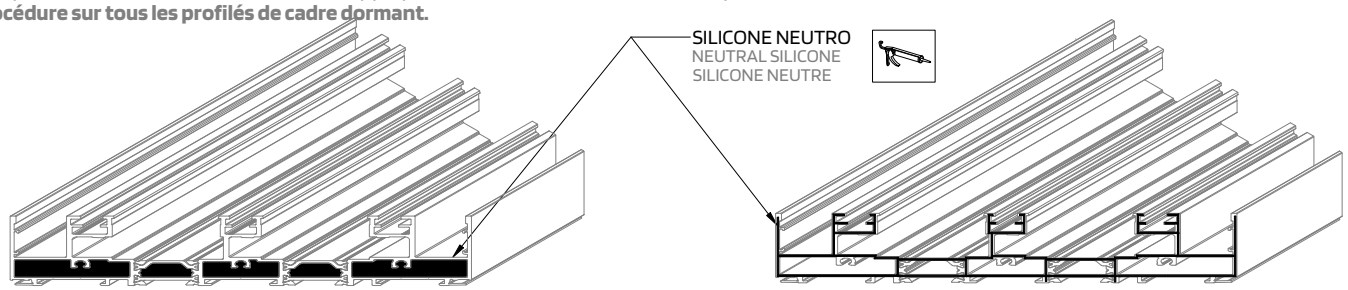



## MONTAGEM DOS PERFIS ARO FIXO (CORTE 90°)
FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 90°)

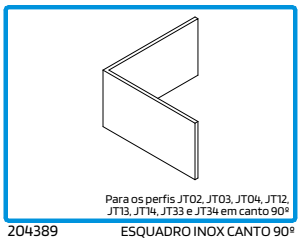
Montagem de aros fixos, em tipologias de canto 90°.
Fixed frames assembly, in 90° corner typologies.
Montage de cadres dormant, en types d'angle à 90°.



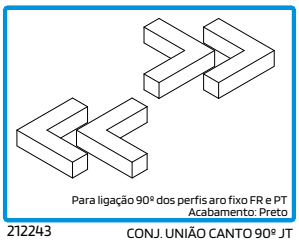
Encher as câmaras com silicone e aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias. **Seguir este procedimento em todos os perfis de aros fixos.**
Fill the chambers with silicone and apply silicone in the same color as the profiles or neutral silicone in the frame's areas. **Follow this procedure in all fixed frame profiles.**
Remplisser les chambres de silicone et appliquer du silicone sur la couleur du profilé ou du silicone neutre dans la zone des cadres. **Suiver cette procédure sur tous les profilés de cadre dormant.**



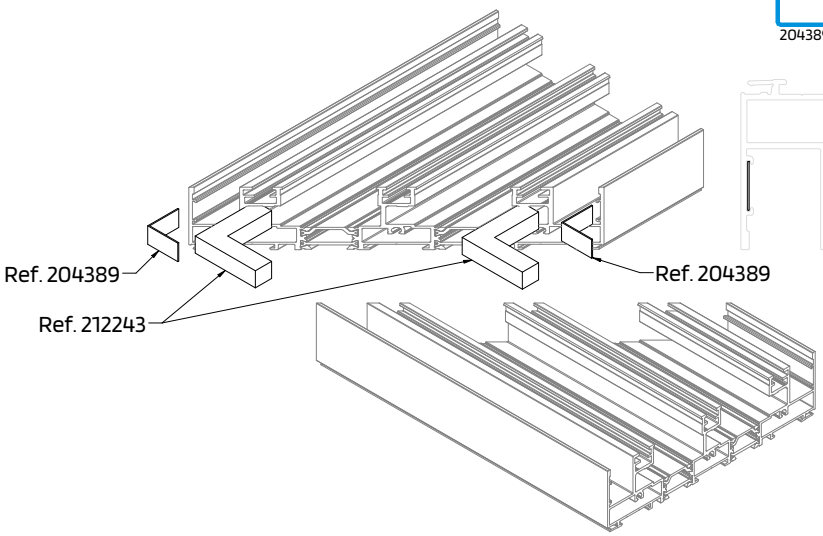

Colocar as peças que constituem o conjunto união e os esquadros inox canto 90° nos perfis e fixá-los com pernos M4x16. **Seguir este procedimento em todos os perfis de aros fixos.**
Place the 90º corner union kit pieces and corners and fix them with M4x16 threaded pins. **Follow this procedure in all fixed frame profiles.**
Placer les pièces qui composent le kit d'union et les angles en acier inox à 90° sur les profilés et fixer-les avec des bout cuvettes M4x16. **Suiver cette procédure sur tous les profilés de cadre dormant.**

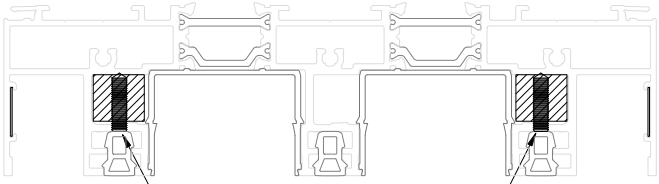


204389 ESQUADRO INOX CANTO 90º



212243 CONJ. UNIÃO CANTO 90º JT

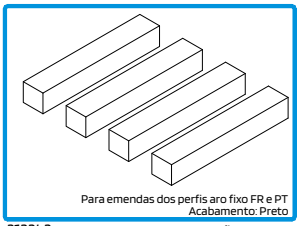


PERNOS M4x16 **(NÃO INCLUÍDOS)**
THREADED PINS M4x16 **(NOT INCLUDED)**
BOUT CUVETTES M4x16 **(NON INCLUS)**

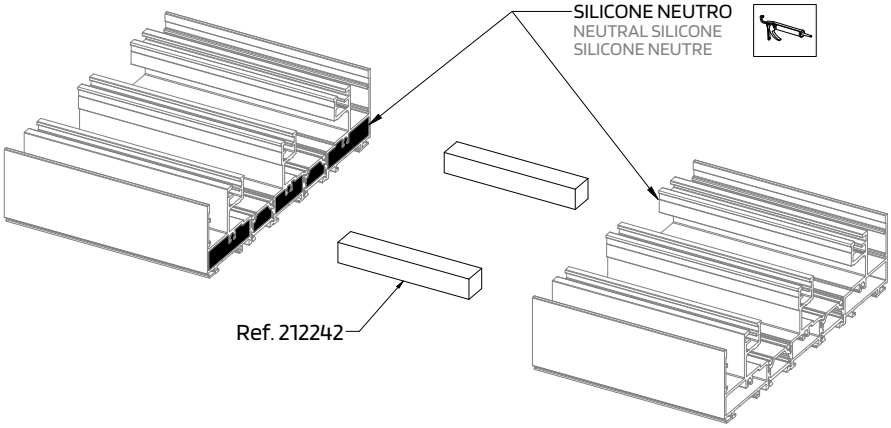
JT 24

Aplicação do Conjunto 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.
Application de l'assemblage de joints droits JT sur les jantes fixes, dans l'épissage de profilés de cadre dormant.



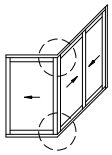
212242 CONJ. UNIÃO RETA JT

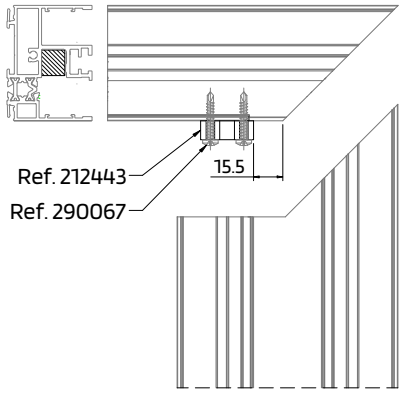
Colocar as peças que constituem o Conjunto união reta JT no interior dos perfis e fixá-las com pernos M4x16. **Seguir este procedimento em todos os perfis de aros fixos.**
Place the pieces that constitute the straight union kit inside the profiles and fix them with M4x16 threaded pins. **Follow this procedure in all fixed frame profiles.**
Placer les pièces qui composent le jeu d'union droite JT à l'intérieur des profilés et fixer-les avec des bout cuvettes M4x16. **Suiver cette procédure sur tous les profilés de cadre dormant.**

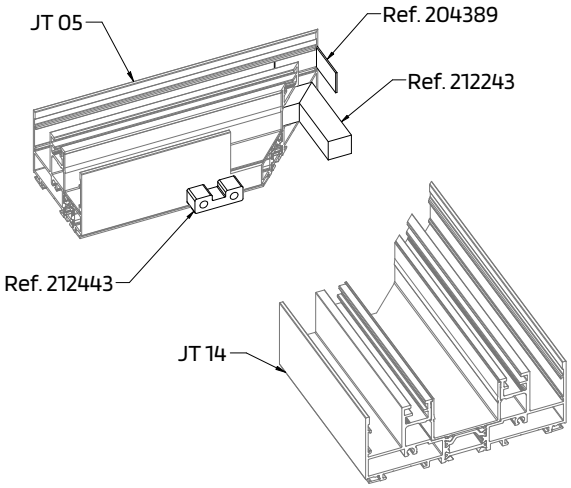


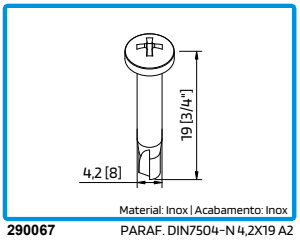
## MONTAGEM DOS PERFIS ARO FIXO (CORTE 90°)
FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 90°)

Montagem de aros fixos, em tipologias de canto 90°.
Fixed frames assembly, in 90° corner typologies.
Montage de cadres dormant, en types d'angle à 90°.

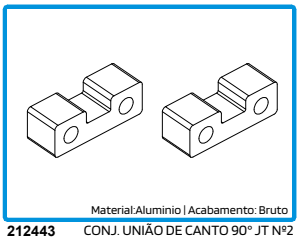




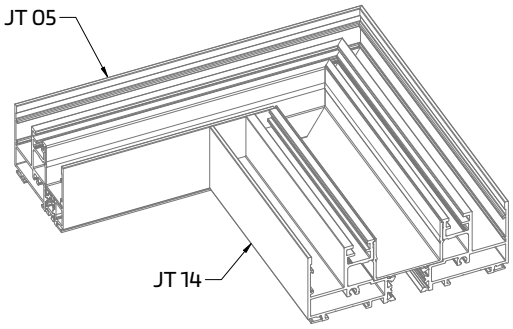



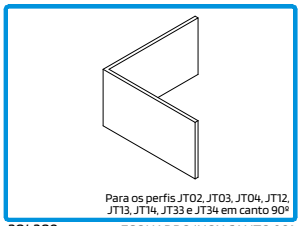




**290067** PARAF. DIN7504-N 4,2X19 A2

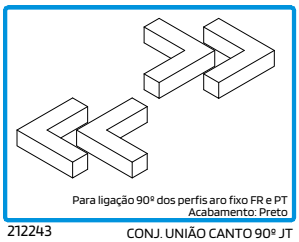



**212443** CONJ. UNIÃO DE CANTO 90° JT Nº2

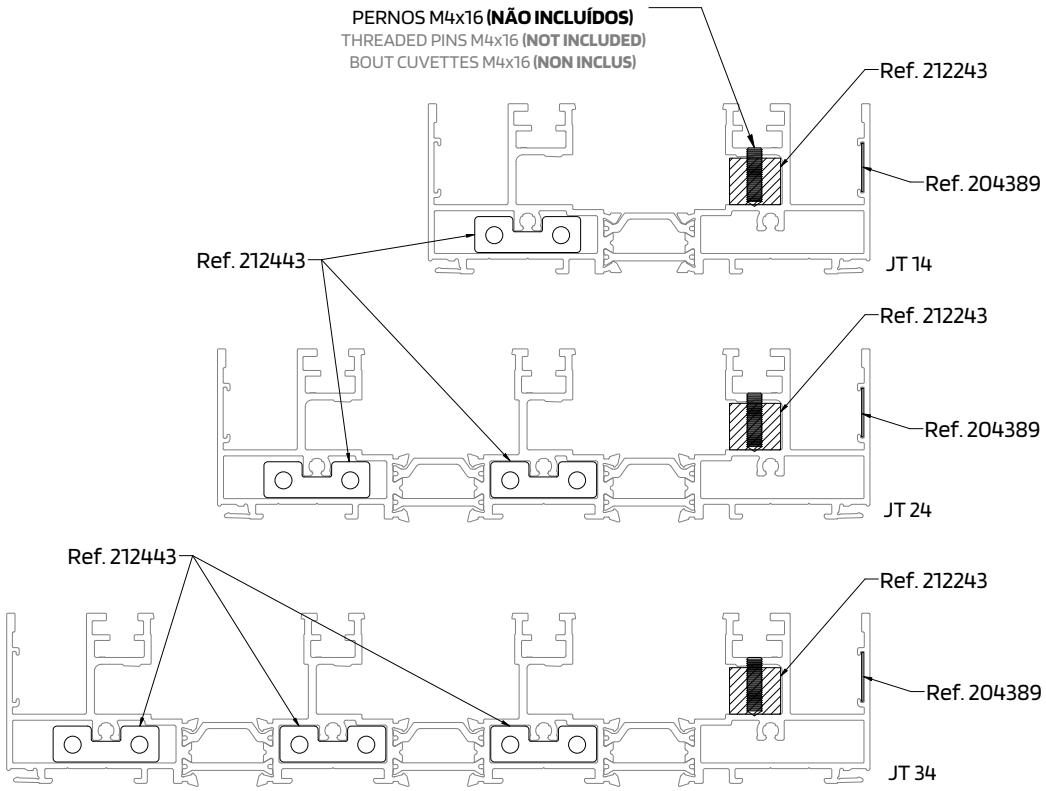



204389 ESQUADRO INOX CANTO 90º

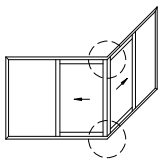


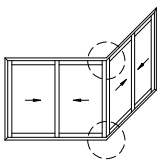

212243 CONJ. UNIÃO CANTO 90º JT



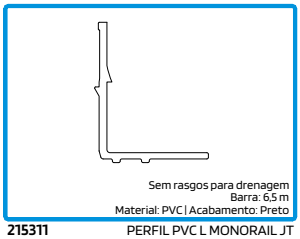
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

Montagem de aros fixos, em tipologias de canto 90°.
Fixed frames assembly, in 90° corner typologies.
Montage de cadres dormant, en types d'angle à 90°.



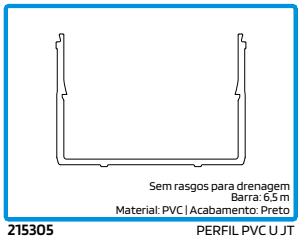


Os perfis PVC U e L são cortados a 45° mas os perfis PVC T são cortados a 90°.
PVC U and L profiles are cut at 45° but PVC T profiles are cut at 90°.
Les profilés PVC U et L sont coupés à 45° mais les profilés PVC T sont coupés à 90°.



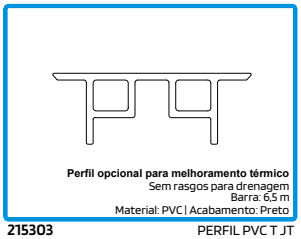
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215311** PERFIL PVC L MONORAIL JT



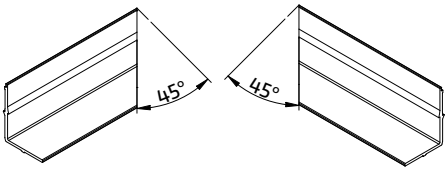
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

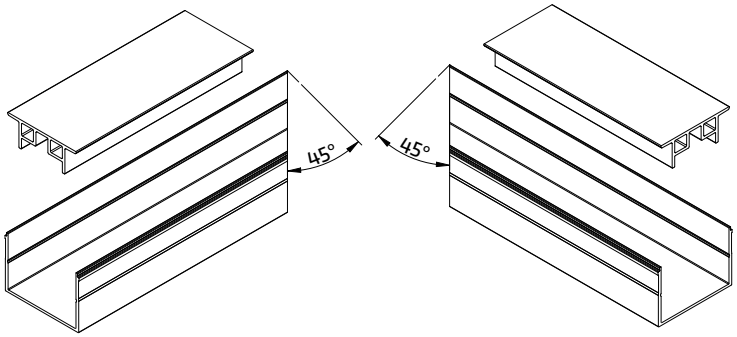
**215305** PERFIL PVC U JT



**Perfil opcional para melhoramento térmico**
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

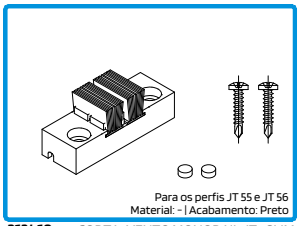
**215303** PERFIL PVC T JT




Aplicar o corta-vento canto 90° JT no aro fixo.
Apply the 90° corner insulation gasket in the fixed frame.
Appliquer le brosse d'étanchéité angle 90°.

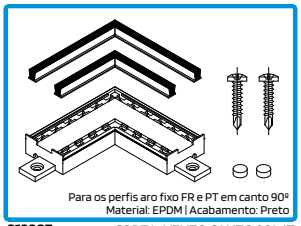
As medidas de corte dos perfis PVC T encontram-se no mapa de quantidades das tipologias de canto.
The cutting measures of the T PVC profiles can be found in the corners typologies quantity map.
Les mesures de coupe des profilés PVC T se trouvent dans la carte de quantité des typologies d'angle.



Para os perfis JT 55 e JT 56
Material: - | Acabamento: Preto

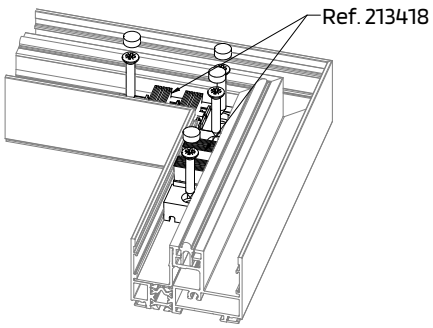
**213418** CORTA-VENTO MONORAIL JT- SLIM

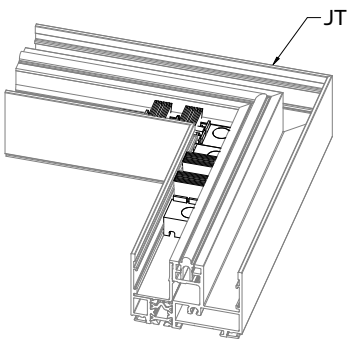
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os perfis PVC T superiores só deverão ser colocadas depois de os aros móveis estarem aplicados.
The upper T PVC profiles must only be installed after the mobile frames are applied.
Les profilés PVC T supérieures ne doivent être installés qu'après la pose des cadres ouvrants.

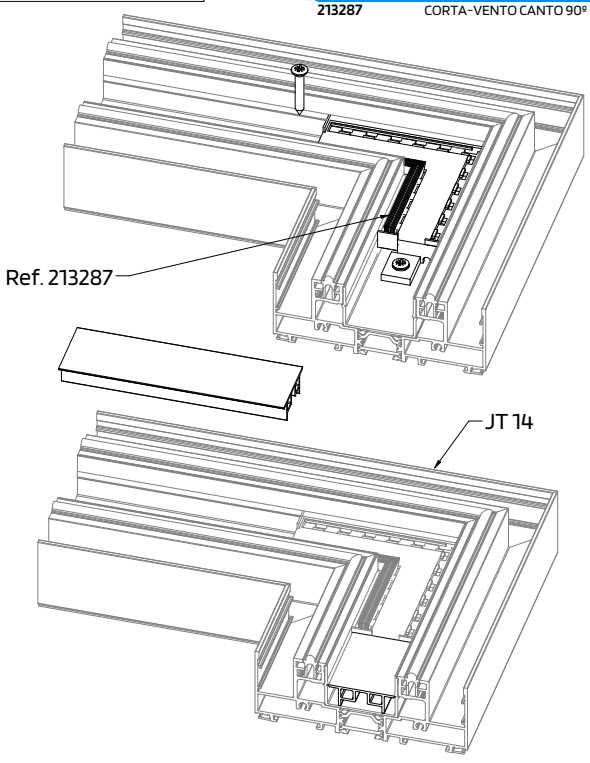


Para os perfis aro fixo FR e PT em canto 90º
Material: EPDM | Acabamento: Preto

**213287** CORTA-VENTO CANTO 90º JT

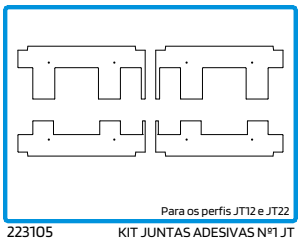


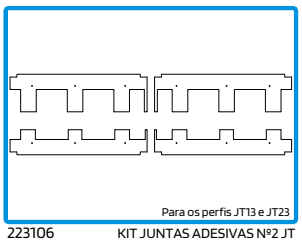



## MONTAGEM DOS PERFIS ARO FIXO (CORTE 90°)
FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 90°)

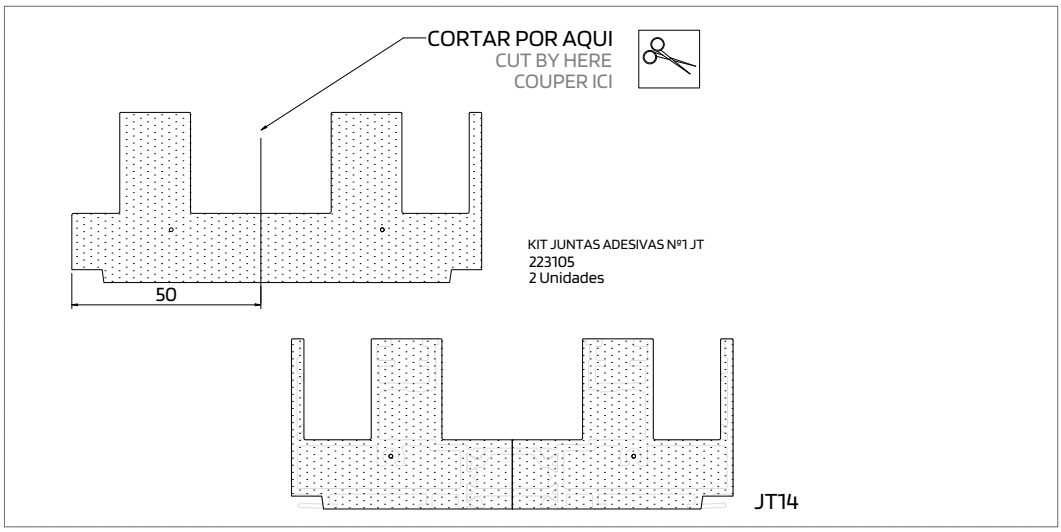
Aplicação dos kits de juntas nos aros fixos JT 14, JT 24 e JT 34.
Application of joint kits on fixed rims JT 14, JT 24 and JT 34.
Application des kits de joints sur les cercles fixes JT 14, JT 24 et JT 34.

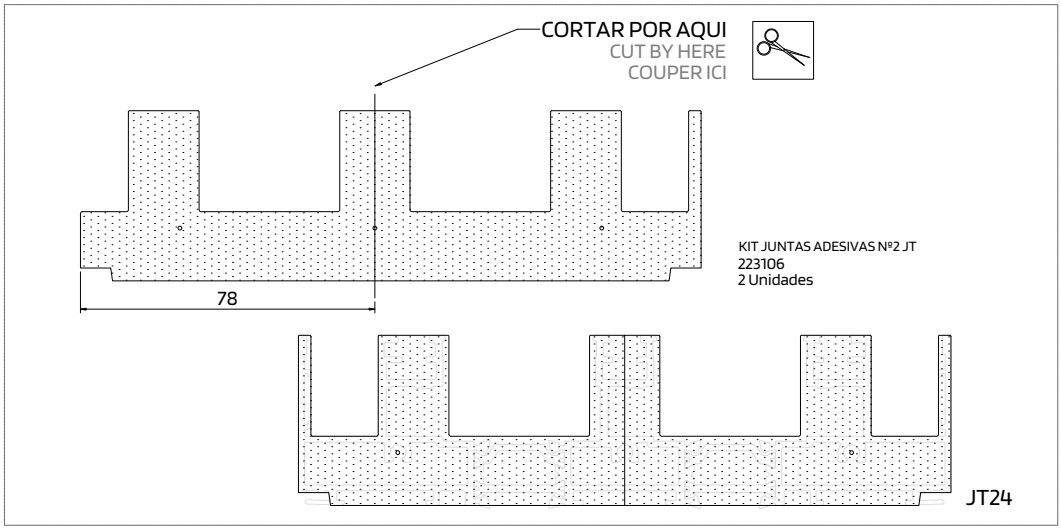


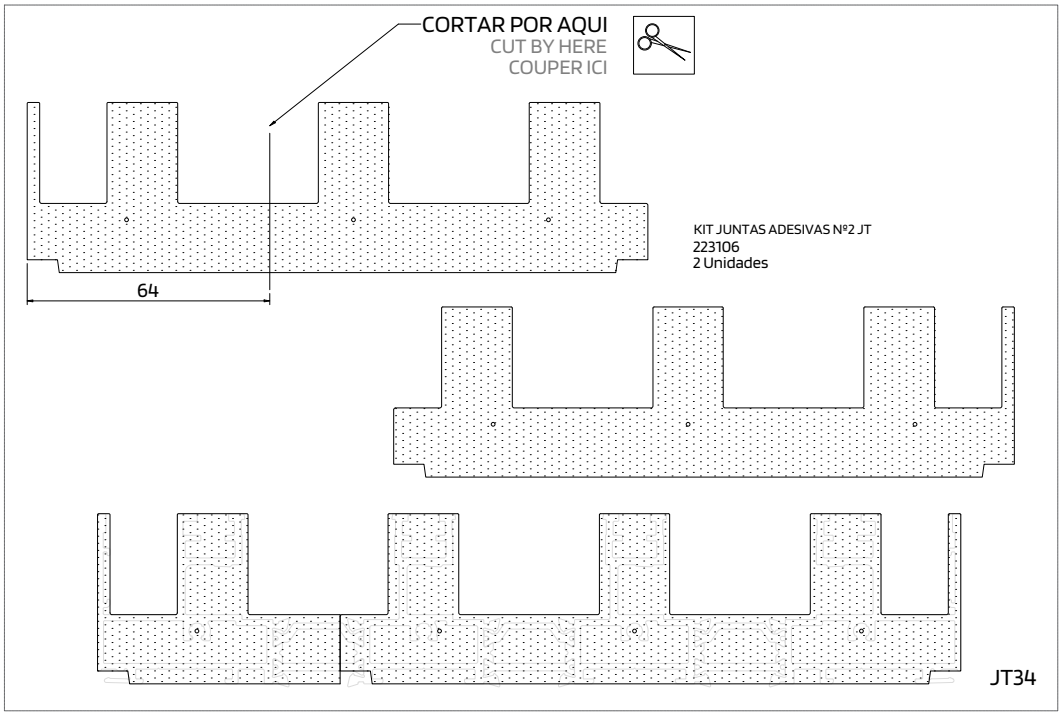

223105 KIT JUNTAS ADESIVAS Nº1 JT




223106 KIT JUNTAS ADESIVAS Nº2 JT



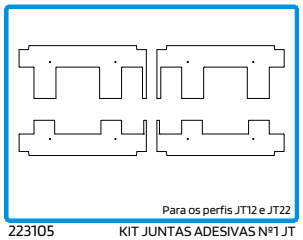



## MONTAGEM DOS PERFIS ARO FIXO (CORTE 90°)
FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT (COUPE 90°)

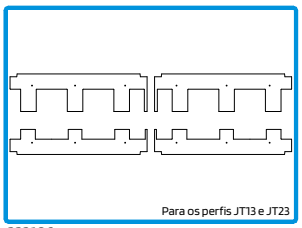
Aplicação dos perfis JE96 e PVC U nos aros fixos.
JE96 e U PVC profiles application in fixed frames.
Application de profilés JE96 et PVC U sur les cadres dormant.

**Passo | Step | Étape 1:**
Aplicar os perfis JE96 nas ombreiras.
Place the JE96 profiles in jambs.
Appliquer les profilés JE96 sur les jambages.

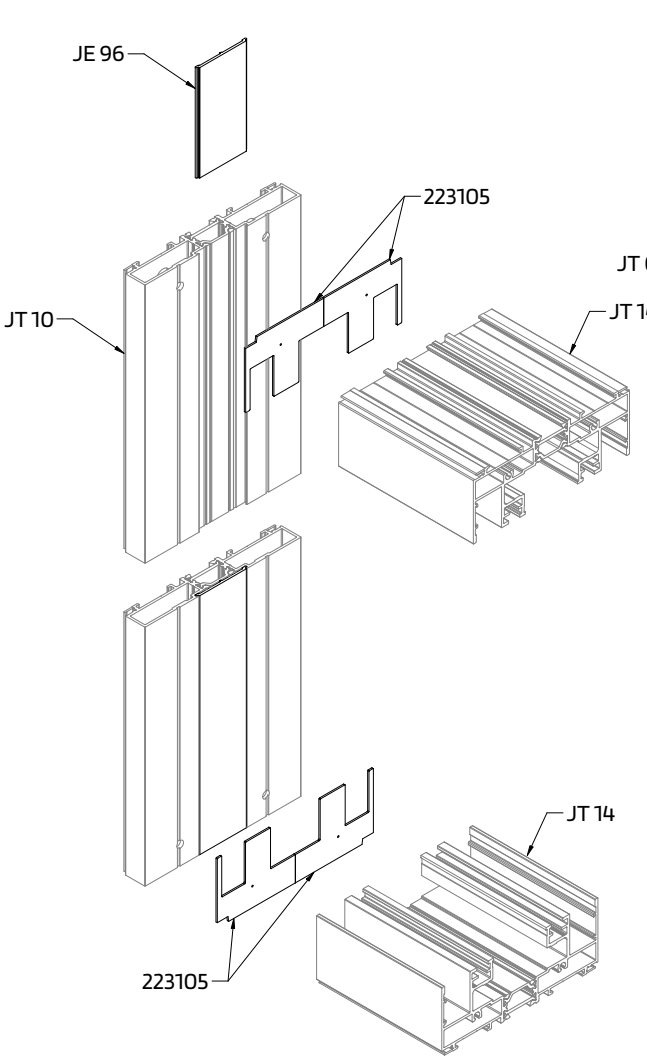
**Passo | Step | Étape 2:**
Aplicar as juntas adesivas nas extremidades dos perfis horizontais (em tipologias 3rail e 4rail consultar a pág. anterior).
Place the adhesive joints at the ends of the horizontal profiles (in 3rail and 4rail typologies see the before page).
Placer les joints adhésifs aux extrémités des profilés horizontaux (en typologies de 3rails et 4rails voir page avant).

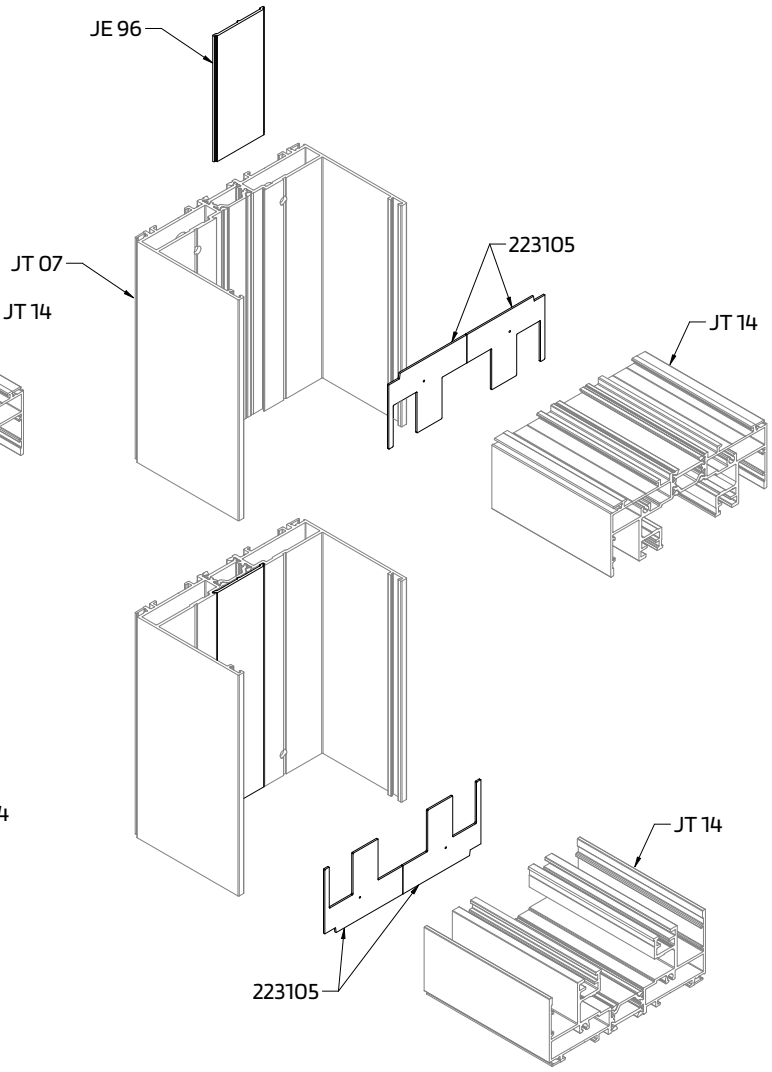


223105 KIT JUNTAS ADESIVAS Nº1 JT

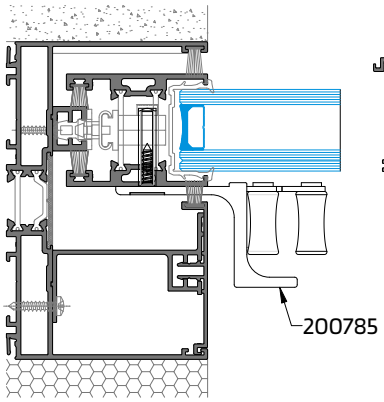


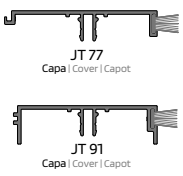
223106 KIT JUNTAS ADESIVAS Nº2 JT



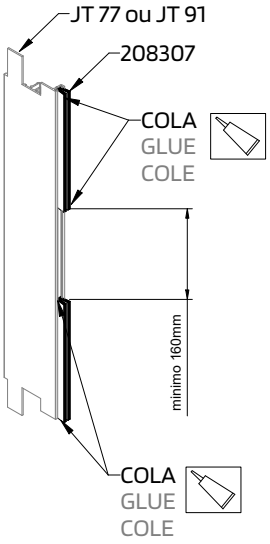



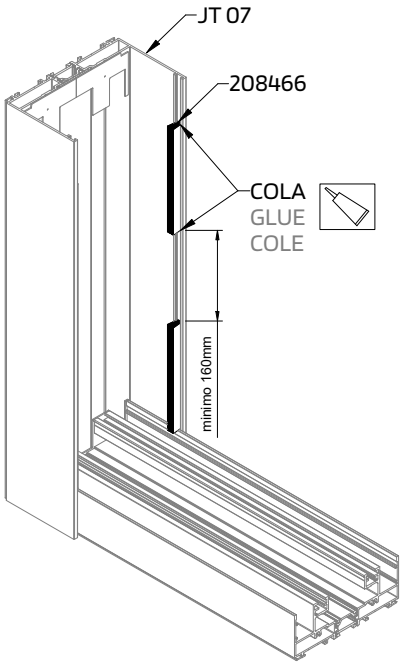
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

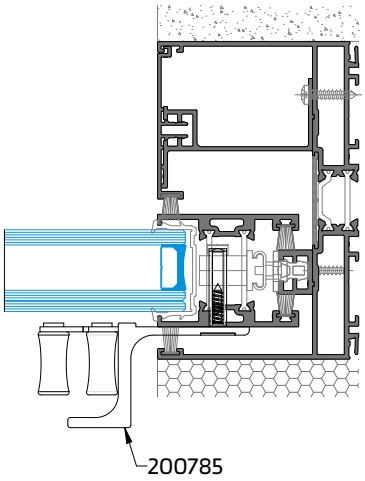


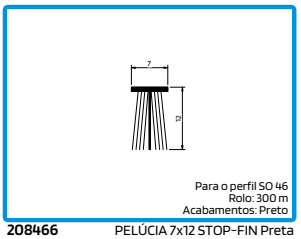




**Passo | Step | Étape 3:**
Para passagem do puxador slim pro 200785, interromper as pelucias 208307 e 208466 em160mm, colar as mesmas nas zonas indicadas.
To fit the slim handle 200785, cut the 208307 and 208466 strips to 160 mm, and stick them in the areas indicated.
Pour passer la poignée slim pro 200785, couper les peluches 208307 et 208466 à 160 mm, les coller aux endroits indiqués.

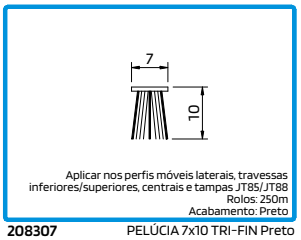


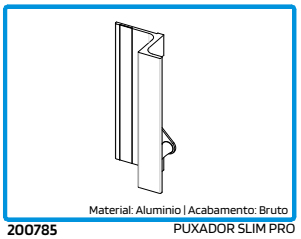



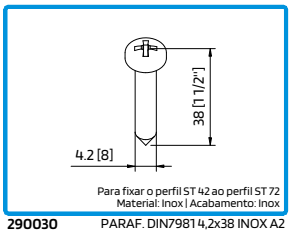

**208466** PELÚCIA 7x12 STOP-FIN Preta




**208307** PELÚCIA 7x10 TRI-FIN Preto

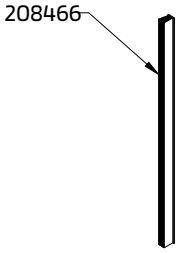


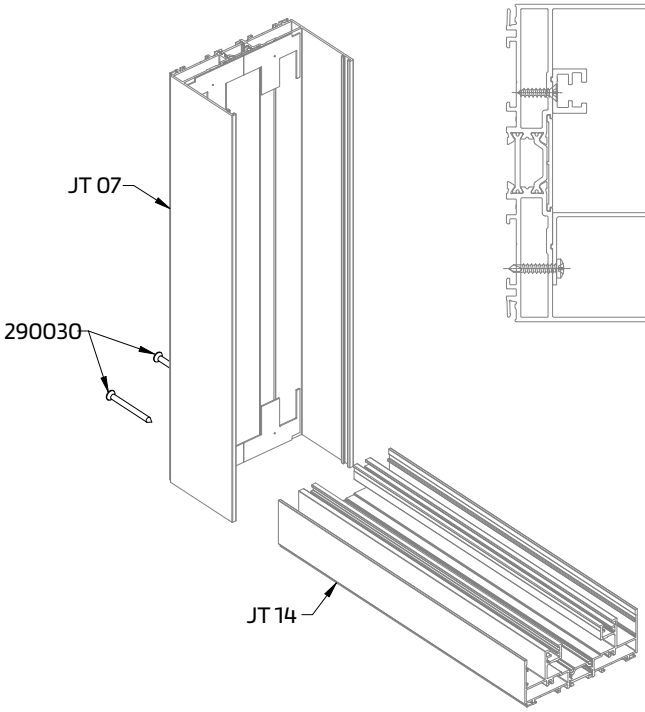

**200785** PUXADOR SLIM PRO




**290030** PARAF. DIN7981 4,2x38 INOX A2

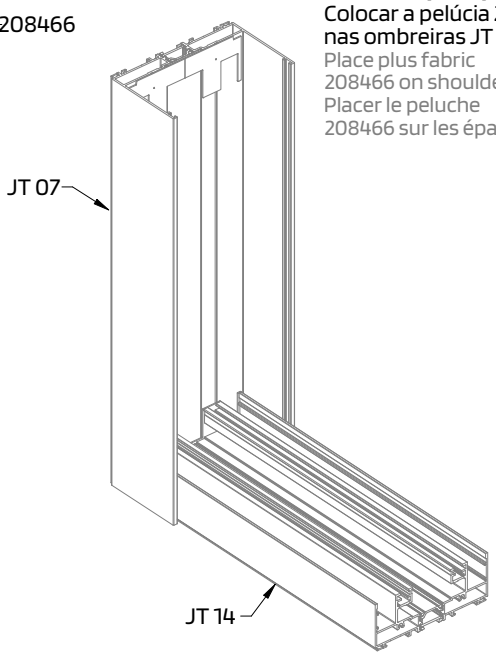
**Passo | Step | Étape 4:**
Fixar as ombreiras JT 07 á soleira JT 14 usando parafusos 290030.
Secure the JT 07 shoulder brackets to the JT 14 sill using screws 290030.
Fixer les montants JT 07 au seuil JT 14 à l'aide des vis 290030.



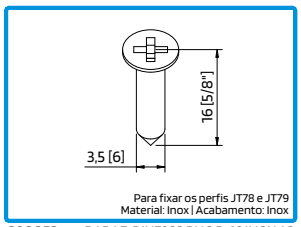






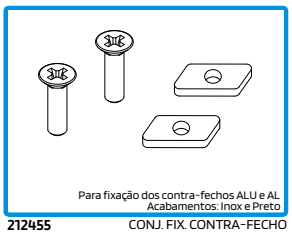

**Passo | Step | Étape 5:**
Colocar a pelúcia 208466 nas ombreiras JT 07.
Place plus fabric 208466 on shoulder pads JT 07.
Placer le peluche 208466 sur les épaulières JT 07.

## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)



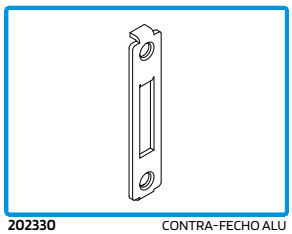

Para fixar os perfis JT78 e JT79
Material: Inox | Acabamento: Inox

**290052** PARAF. DIN7982 PH 3,5x16 INOX A2

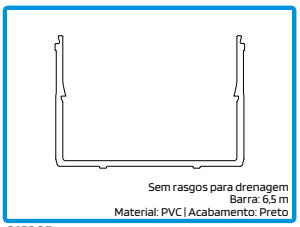


Para fixação dos contra-fechos ALU e AL
Acabamentos: Inox e Preto

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

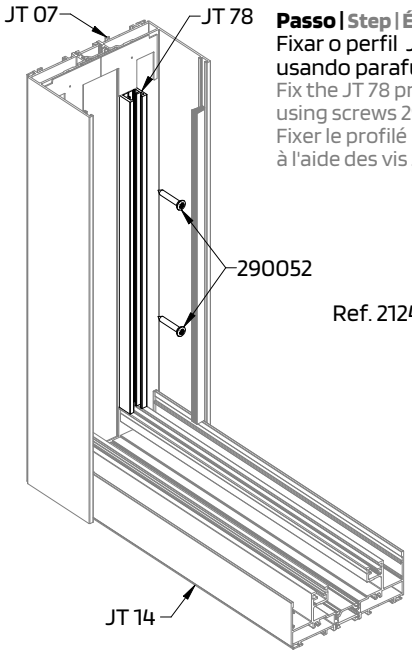


**202330** CONTRA-FECHO ALU

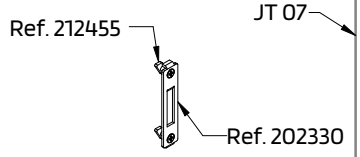


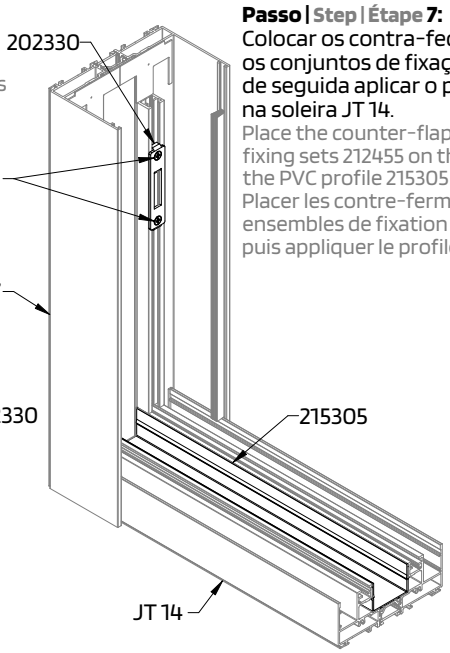
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215305** PERFIL PVC U JT

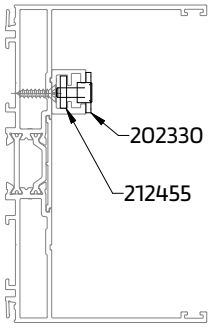


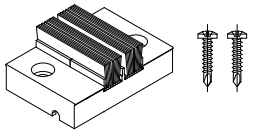

**Passo | Step | Étape 6:**
Fixar o perfil JT 78 ás ombreiras usando parafusos 290052.
Fix the JT 78 profile to the door frames using screws 290052.
Fixer le profilé JT 78 aux montants à l'aide des vis 290052.



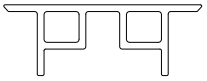

**Passo | Step | Étape 7:**
Colocar os contra-fechos 202330 juntamente com os conjuntos de fixação 212455 nos perfis JT 78, de seguida aplicar o perfil de pvc 215305 na soleira JT 14.
Place the counter-flaps 202330 together with the fixing sets 212455 on the JT 78 profiles, then apply the PVC profile 215305 to the JT 14 threshold.
Placer les contre-fermetures 202330 avec les ensembles de fixation 212455 dans les profilés JT 78, puis appliquer le profilé en PVC 215305 sur le seuil JT 14.



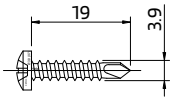
Para os perfis aro fixo FR e PT com as linhas JT e JT-Slim em tipologias com centrais JT 55 e JT 56
Material: ABS | Acabamento: Preto

**213402** CORTA VENTO JT-SLIM



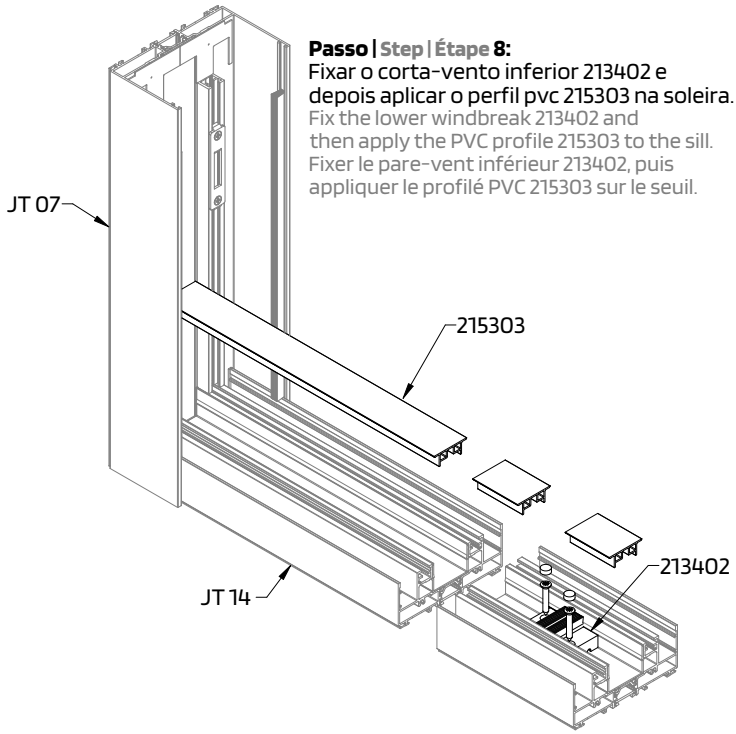
**Perfil opcional para melhoramento térmico**
Sem rasgos para drenagem
Barra: 6,5 m
Material: PVC | Acabamento: Preto

**215303** PERFIL PVC T JT

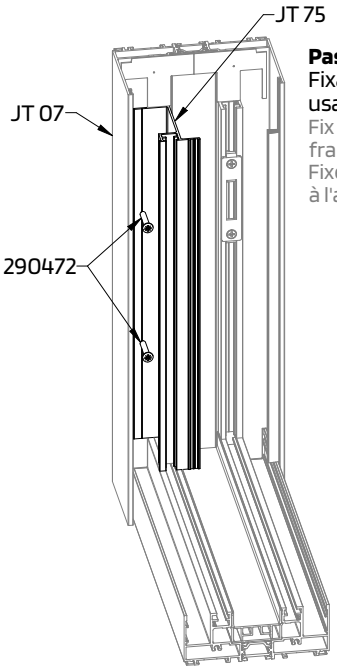



Para fixar os perfis JT 83 e JT 93

290472 PARAF. AT/PF CQ 3.9x19 A2

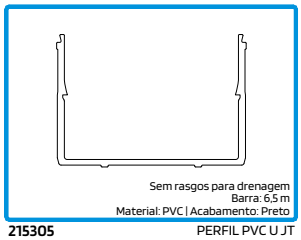



**Passo | Step | Étape 8:**
Fixar o corta-vento inferior 213402 e depois aplicar o perfil pvc 215303 na soleira.
Fix the lower windbreak 213402 and then apply the PVC profile 215303 to the sill.
Fixer le pare-vent inférieur 213402, puis appliquer le profilé PVC 215303 sur le seuil.

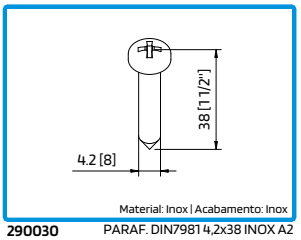



**Passo | Step | Étape 9:**
Fixar o perfil JT 75 ás ombreiras usando parafusos 290052.
Fix the JT 75 profile to the door frames using screws 290472.
Fixer le profilé JT 75 aux montants à l'aide des vis 290472.

## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

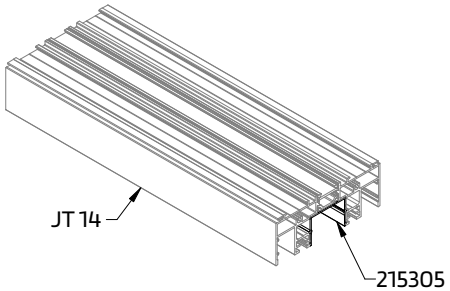


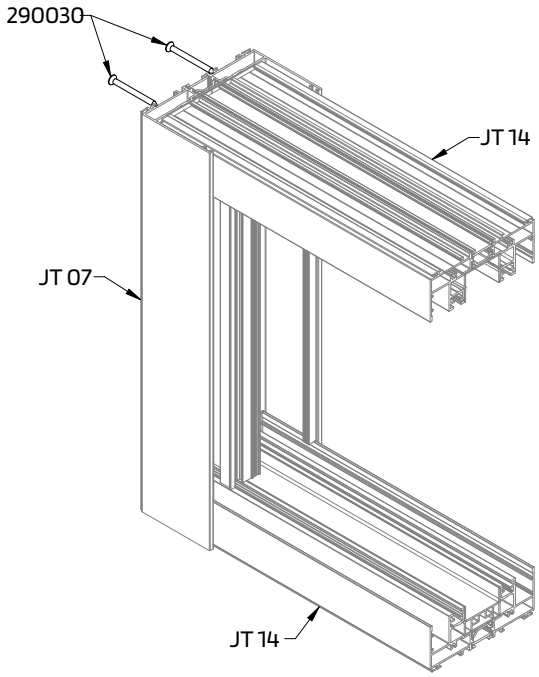

**215305** PERFIL PVC U JT




**290030** PARAF. DIN7981 4,2x38 INOX A2

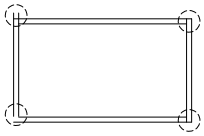
**Passo | Step | Étape 10:**
Colocar o perfil pvc 215305 na padieira JT 14.
Place PVC profile 215305 on the JT 14 tray.
Placer le profilé PVC 215305 dans le support JT 14.

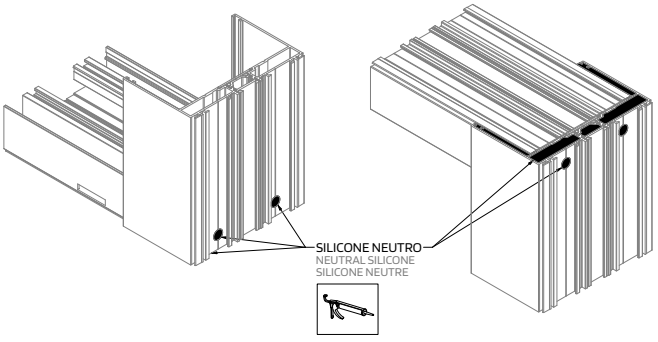



**Passo | Step | Étape 11:**
Enchimento das câmaras nos 4 lados do aro fixo e colocação do aro ao sítio.
Filling the chambers on the 4 sides of the fixed frame and placing the frame in place.
Remplissage des chambres sur les 4 côtés du cadre dormant et mise en place du cadre.

Tipologias 2, 3 e 4 folhas JT Oculta





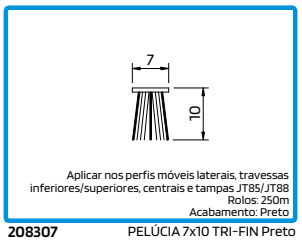
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

**Passo | Step | Étape 12:**
Aplicação da pelúcia 7x10 Tri-Fin nos perfis de capa e depois colocar no vão fixo.
Place the 7x10 Tri-Fin sealant on the cover profiles and then place it in the fixed gap.
Placer la mousse 7x10 Tri-Fin dans les profilés de couverture, puis la placer dans l'espace fixe.



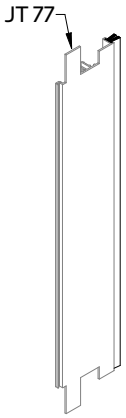


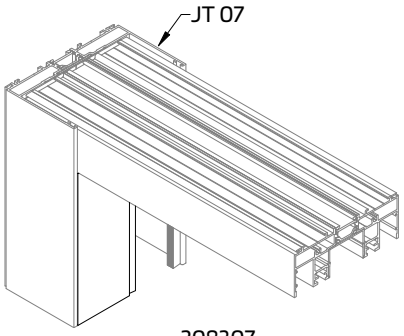


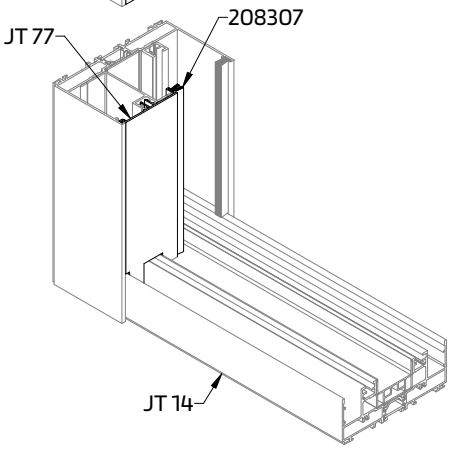


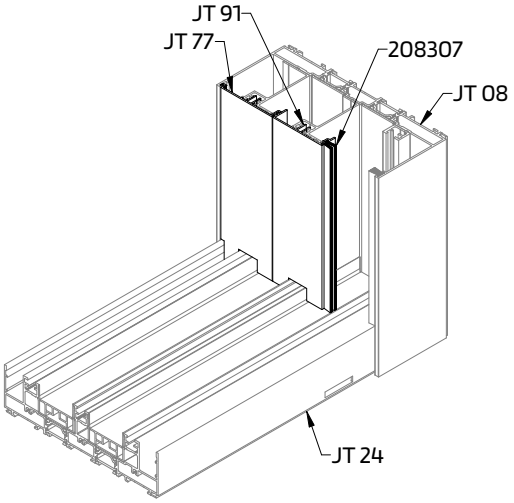

Aplicar nos perfis móveis laterais, travessas inferiores/superiores, centrais e tampas JT85/JT88
Rolos: 250m
Acabamento: Preto

**208307** PELÚCIA 7x10 TRI-FIN Preto

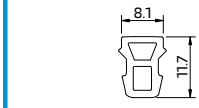


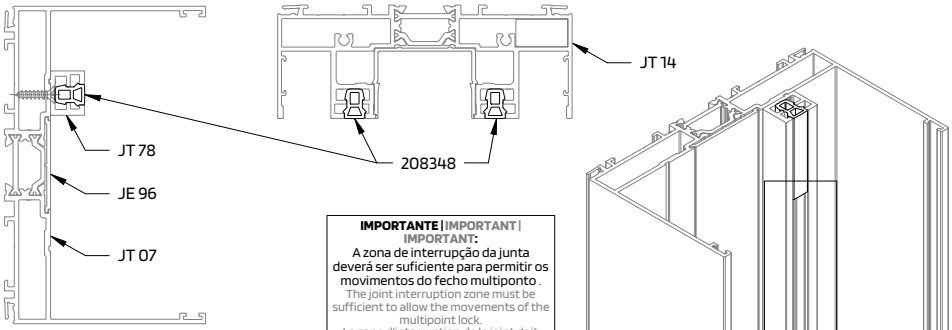




**Passo | Step | Étape 13:**
Aplicação da junta tapa canal 2116 nos aros fixos. Esta junta deverá ser aplicada na padieira e nas laterais.
Nas zonas onde se localizarão os contra-fechos, a junta deverá ser interrompida.
2116 channel cover joint applying in fixed frames. This joint must be applied in the lintel and the laterals.
In the zones where the counter-locks will be located, the joint must be interrupted.
Application de la joint de couverture du canal 2116 sur les cadres dormants. Ce joint doit être appliqué sur le linteau et les côtés. Dans les zones où seront situées les contre-serrures, le joint doit être interrompu.

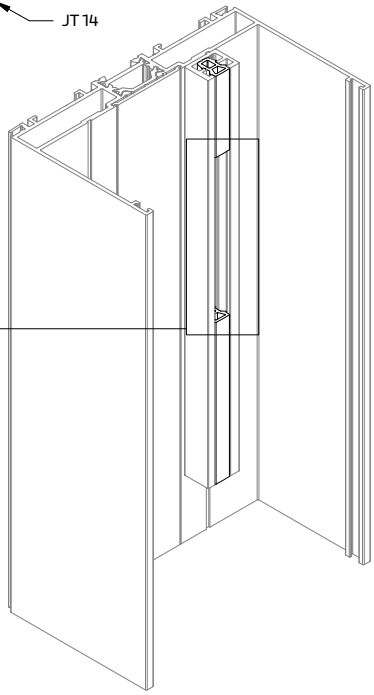


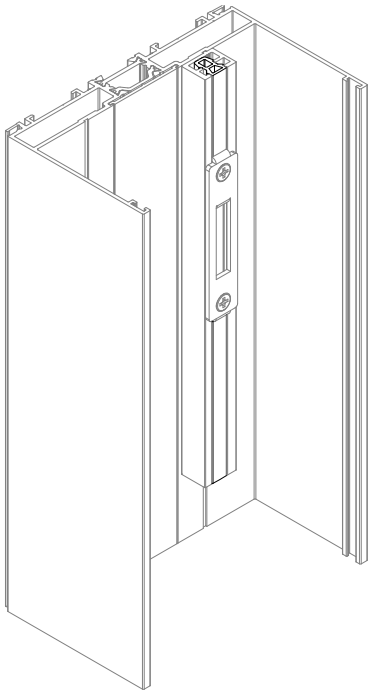

Rolo: 100 m
Material: EPDM | Acabamento: Preto

**208348** JUNTA TAPA CANAL 2116 JT




**IMPORTANTE | IMPORTANT | IMPORTANT:**
A zona de interrupção da junta deverá ser suficiente para permitir os movimentos do fecho multiponto.
The joint interruption zone must be sufficient to allow the movements of the multipoint lock.
La zone d'interruption de la joint doit être suffisante pour permettre les mouvements de la serrure multipoint.





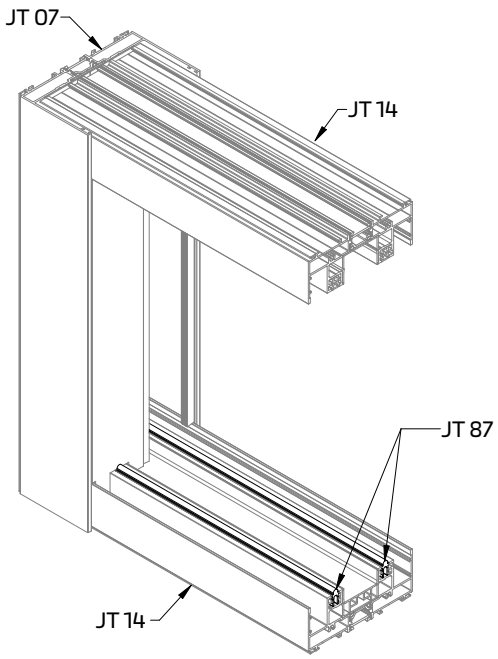
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

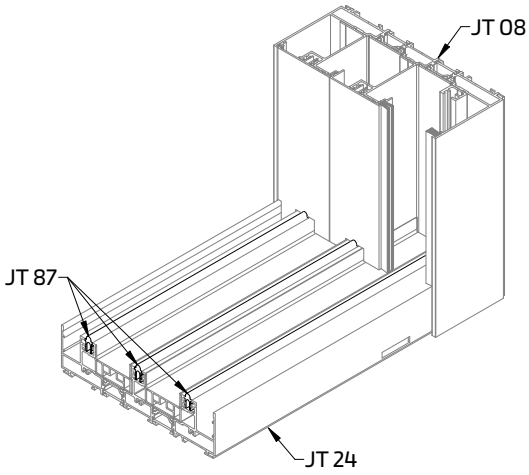
**Passo | Step | Étape 14:**
Aplicação do perfil guia JT87 nas soleiras.
Applying of JT87 rail profile in the sills.
Appliquer le profilé de guide JT87 sur les seuils.

**NOTA | NOTE | REMARQUE:**
Em perfis anodizados, a guia JT87 deverá ser aplicada com um cordão de silicone neutro.
On anodised profiles the JT87 guide should be applied with a neutral silicone cord.
Sur les profis anodisés, le guide JT87 doit etrê appliqué avec un cordon de silicone neutre.

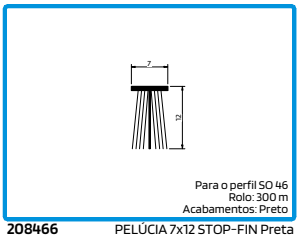


JT 87
Guia | Guide | Guide
Acabamentos:
Anodizado natural ou preto
Finishings: Natural or black anodised
Finitions: Anodisé naturel ou noir



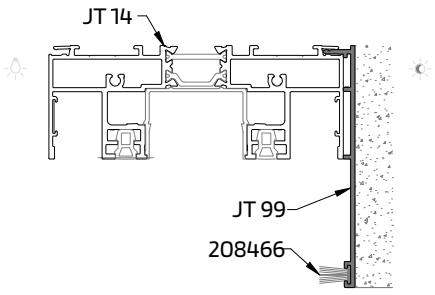



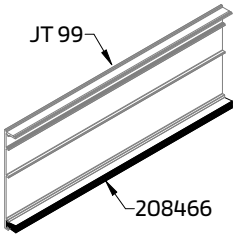

**Passo | Step | Étape 15:**
Aplicação do perfil JT 99 juntamente com a pelúcia 208466 na padieira JT 14.
Application of profile JT 99 together with plush 208466 on tray JT 14.
Application du profilé JT 99 avec la peluche 208466 sur la tablette JT 14.

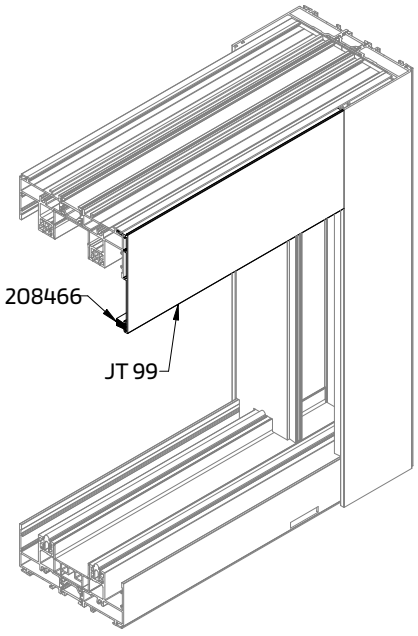


Para o perfil SO 46
Rolo: 300 m
Acabamentos: Preto

**208466** PELÚCIA 7x12 STOP-FIN Preta

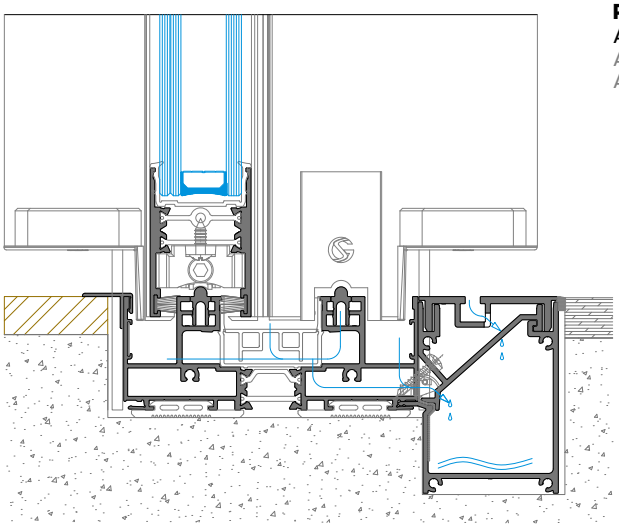


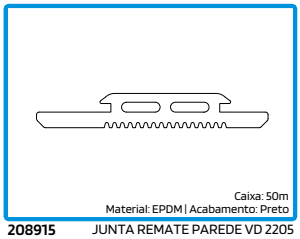



## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

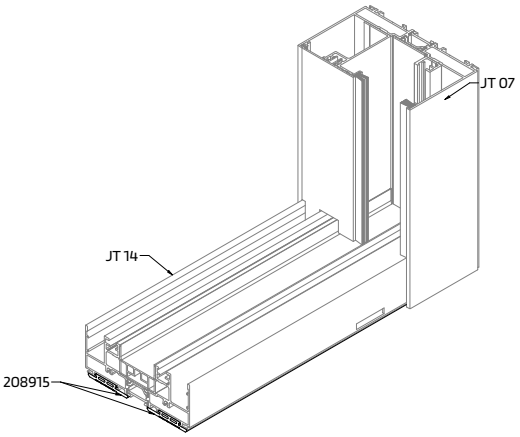
Tipologias 1, 2, 3 e 4 folhas JT Oculta com caleira



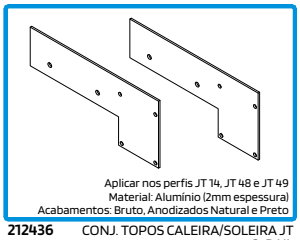
**Passo | Step | Étape (A)**
Aplicação da junta de remate 208915.
Application of finishing joint 208915.
Application du joint d`about 208915.



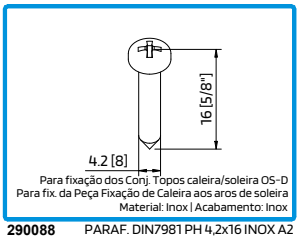

**208915** JUNTA REMATE PAREDE VD 2205



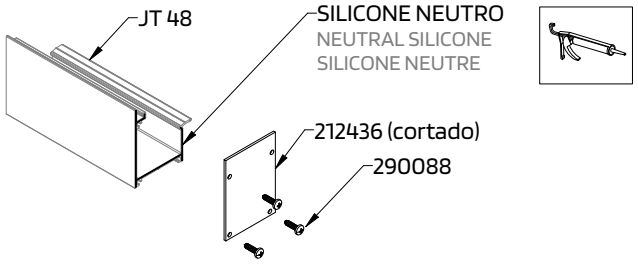

**Passo | Step | Étape (B)**
Aplicar silicone neutro nas extremidades do perfil caleira JT 48 e fixar o conjunto de topos 212436 com os parafusos 290088.
Apply neutral silicone to the ends of the JT 48 gutter profile and secure the 212436 end cap set with 290088 screws.
Appliquer du silicone neutre aux extrémités du profilé de gouttière JT 48 et fixer l'ensemble d'embouts 212436 à l'aide des vis 290088.

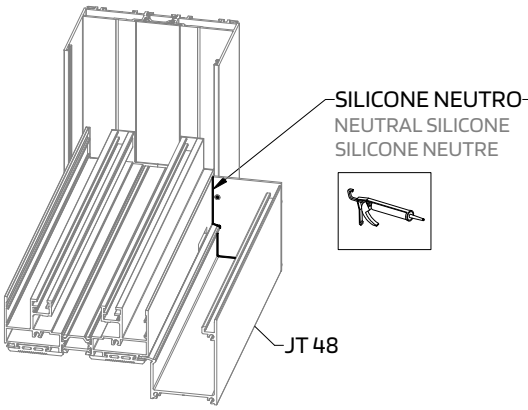


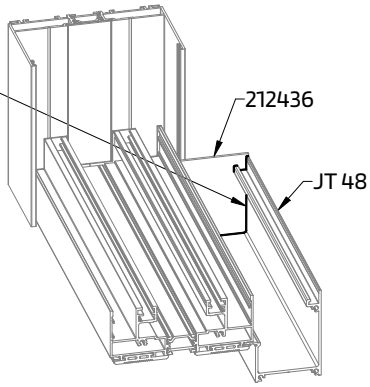

**212436** CONJ. TOPOS CALEIRA/SOLEIRA JT 2-RAIL




**290088** PARAF. DIN7981 PH 4,2x16 INOX A2




**Passo | Step | Étape (C)**
Isolar bem nas extremidades no interior da caleira com silicone neutro.
Seal the edges well inside the gutter with neutral silicone.
Bien isoler les extrémités à l'intérieur de la gouttière avec du silicone neutre.

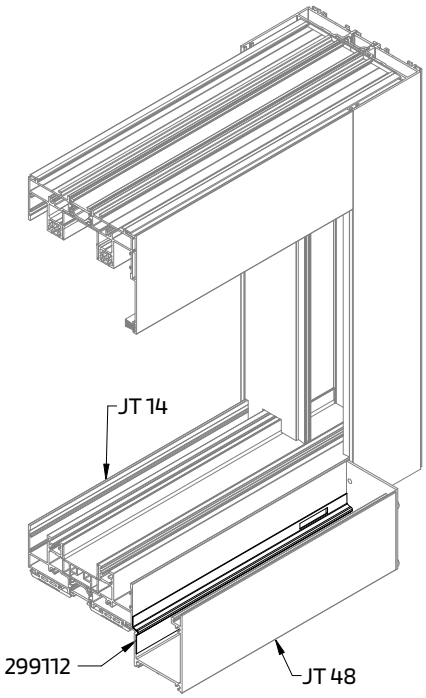
## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

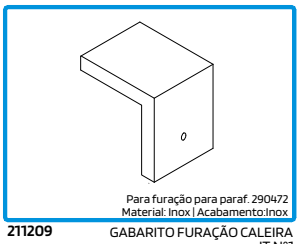


Resistente a raios UV
Rolo: 2m
Material: Junta Adesiva Composta | Acabamento: Branco

**299112** MEMBRANA SELAGEM 50MM (2M)

**Passo | Step | Étape (D)**
Aplicar a membrana de selagem 50mm, 299112
Apply the 50mm sealing membrane, 299112
Appliquer la membrane d'étanchéité 50 mm, 299112



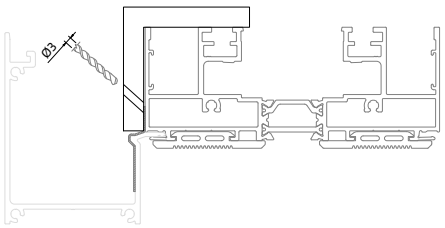



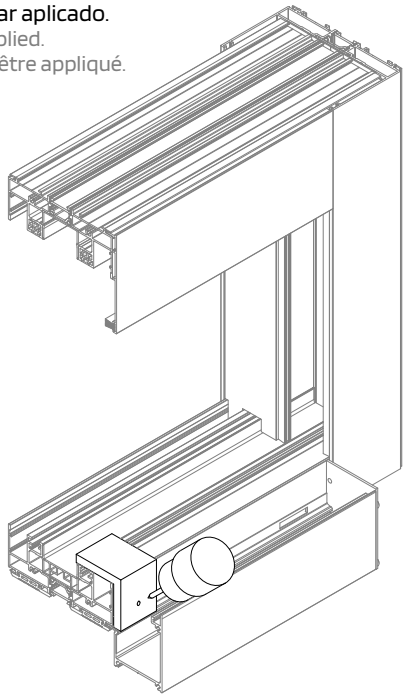
Para furação para paraf. 290472
Material: Inox | Acabamento:Inox

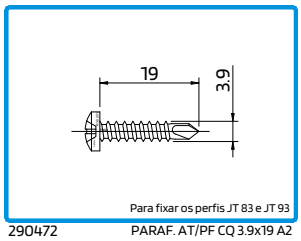
**211209** GABARITO FURAÇÃO CALEIRA JT Nº1

**Passo | Step | Étape (E)**
Usar o gabarito para fazer os furos de 3mm para fixação da tampa de caleira JT 49.
Use the template to drill 3mm holes for fixing the JT 49 gutter cover.
Utilisez le gabarit pour percer des trous de 3 mm afin de fixer le couvercle de gouttière JT 49.

Para esta operação o perfil JT 87 não pode estar aplicado.
For this operation, the JT 87 profile cannot be applied.
Pour cette opération, le profilé JT 87 ne peut pas être appliqué.



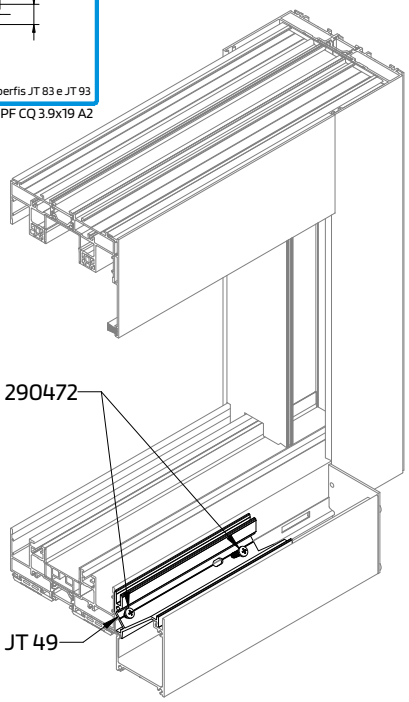



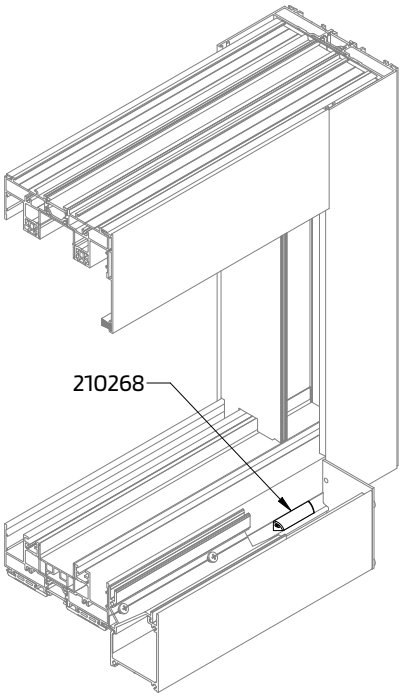


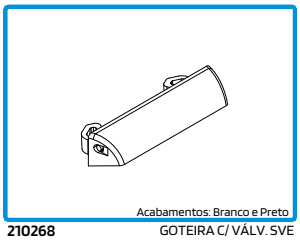

Para fixar os perfis JT 83 e JT 93

**290472** PARAF. AT/PF CQ 3.9x19 A2

**Passo | Step | Étape (F)**
Fixar os perfis JT 49 com os parafusos 290472.
Fix the JT 49 profiles with screws 290472.
Fixer les profilés JT 49 à l'aide des vis 290472.



Acabamentos: Branco e Preto

**210268** GOTEIRA C/ VÁLV. SVE

**Passo | Step | Étape (G)**
Colocar as goteiras com válvula SVE (210268).
Fit the drips with an SVE valve (210268).
Installer les gouttières équipées d'une vanne SVE (210268).

## MONTAGEM DOS PERFIS ARO FIXO PT (CORTE 90°)
PT FIXED FRAME PROFILES ASSEMBLY (90° CUT)
ASSEMBLAGE DES PROFILÉS DORMANT PT (COUPE 90°)

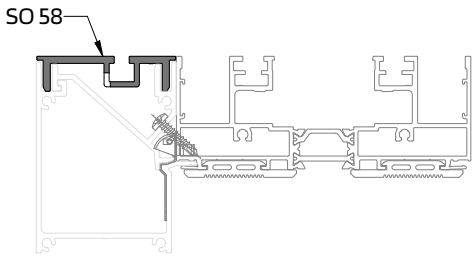
**Passo | Step | Étape (H)**
Por ultimo colocar o perfil SO 26 ou SO 58.
Finally, fit the SO 26 or SO 58 profile.
Enfin, poser le profilé SO 26 ou SO 58.

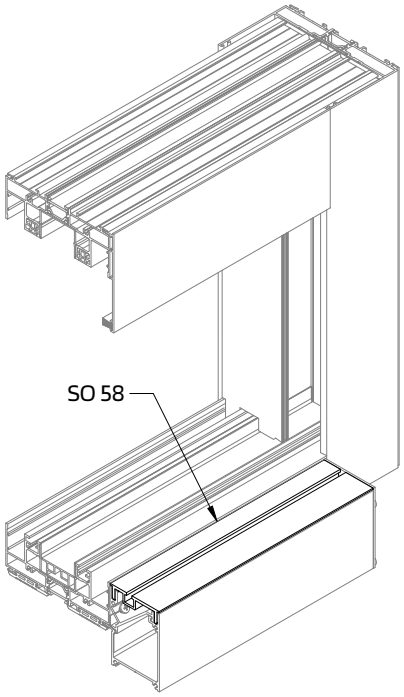


SO 26
Tampa baixa para caleira
Short drainage channel grid | Grille bas pour gouttière de vidange



SO 58
Tampa baixa para caleira - Maquinado
Short drainage channel grid - Machined | Grille bas pour gouttière de vidange - Usiné



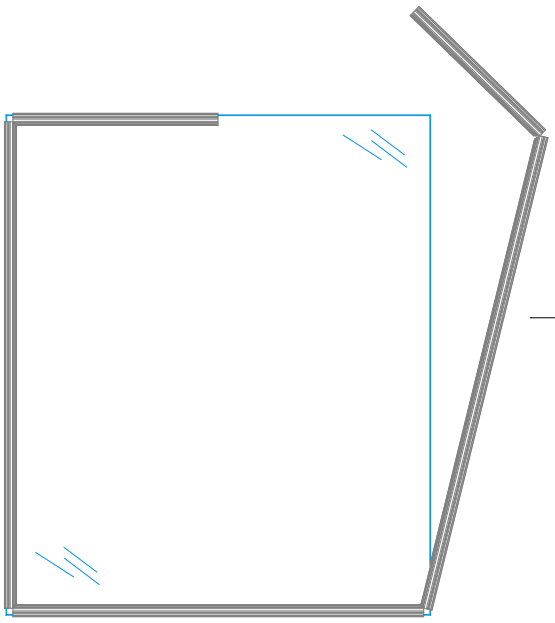
# VI.2

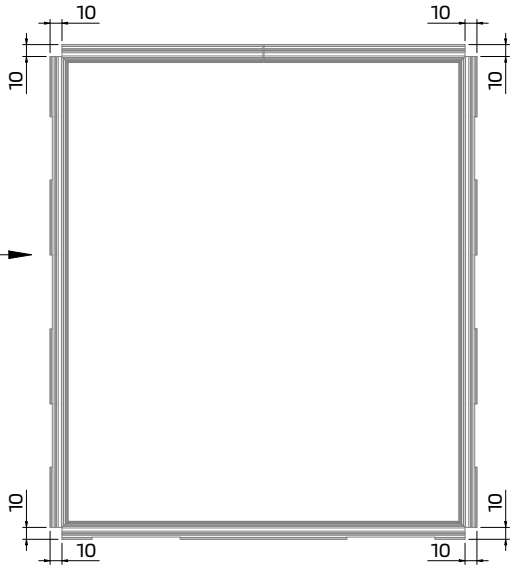
Montagens dos perfis aro móvel JT-Slim
JT-Slim mobile frame profiles assembly | Assemblage des profilés ouvrant JT-Slim

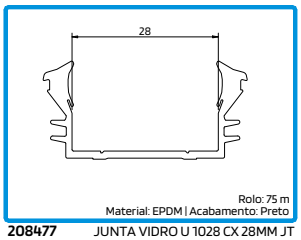
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Montagem do vidro.
Glass assembly.
Assemblage du verre.

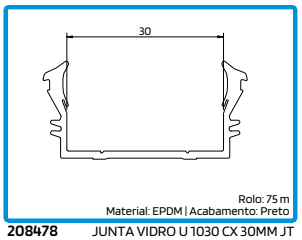
Corte dos cantos da junta de vidro U.
U glazing gasket corners cutting.
Couper de les coins du joint du verre U.



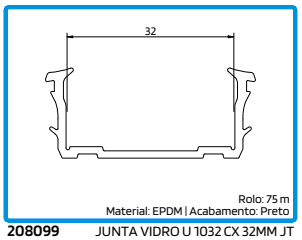


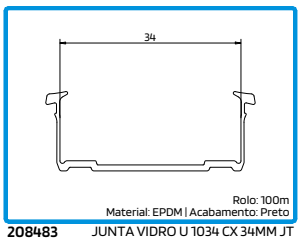

Rolo: 75 m
Material: EPDM | Acabamento: Preto
**208477** JUNTA VIDRO U 1028 CX 28MM JT




Rolo: 75 m
Material: EPDM | Acabamento: Preto
**208478** JUNTA VIDRO U 1030 CX 30MM JT



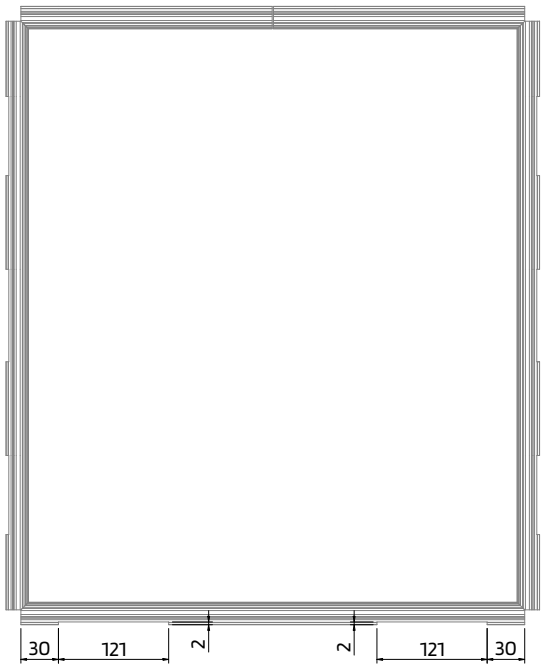

Rolo: 75 m
Material: EPDM | Acabamento: Preto
**208099** JUNTA VIDRO U 1032 CX 32MM JT

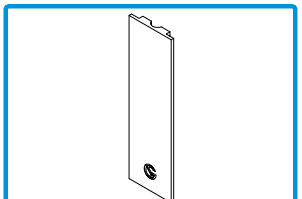



Rolo: 100m
Material: EPDM | Acabamento: Preto
**208483** JUNTA VIDRO U 1034 CX 34MM JT

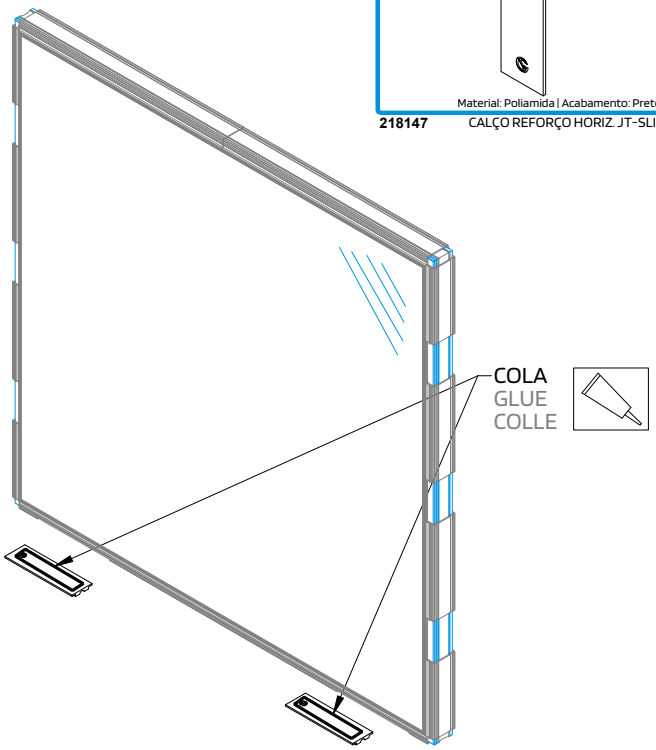
**IMPORTANTE | IMPORTANT | IMPORTANT:**
As operações a efetuar na junta deverão ser feitas com esta já aplicada no vidro, mas antes de se colocarem os perfis de alumínio.
The operations to be carried out on the joint must be done with it already applied in the glass, but before placing the aluminum profiles.
Les opérations à effectuer sur le joint doivent être effectuées avec celui-ci déjà appliqué sur le verre, mais avant la pose des profilés en aluminium.

Corte adicional da junta de vidro U para colocação de calços de reforço horizontal JT-Slim.
U glazing gasket additional cutting for placing the JT-Slim reinforcement shims.
Coupe supplémentaire du joint du verre U pour la mise en place des cales de renforcement horizontal JT-Slim.



Material: Poliamida | Acabamento: Preto
**218147** CALÇO REFORÇO HORIZ. JT-SLIM

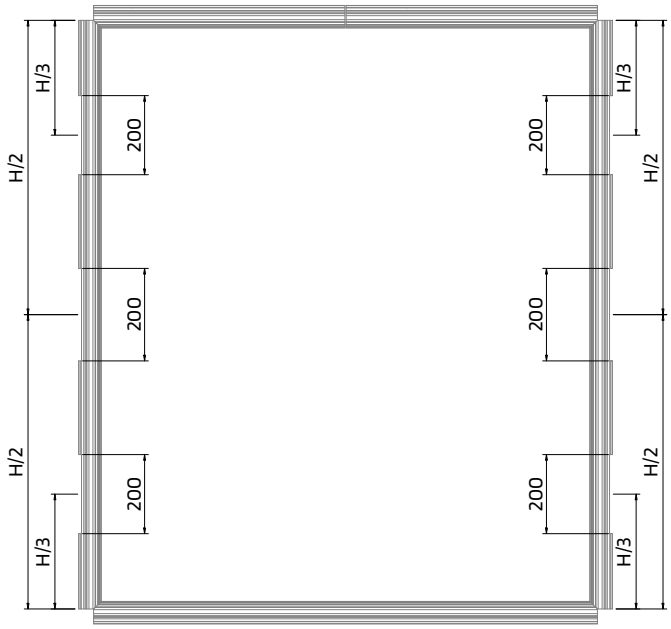


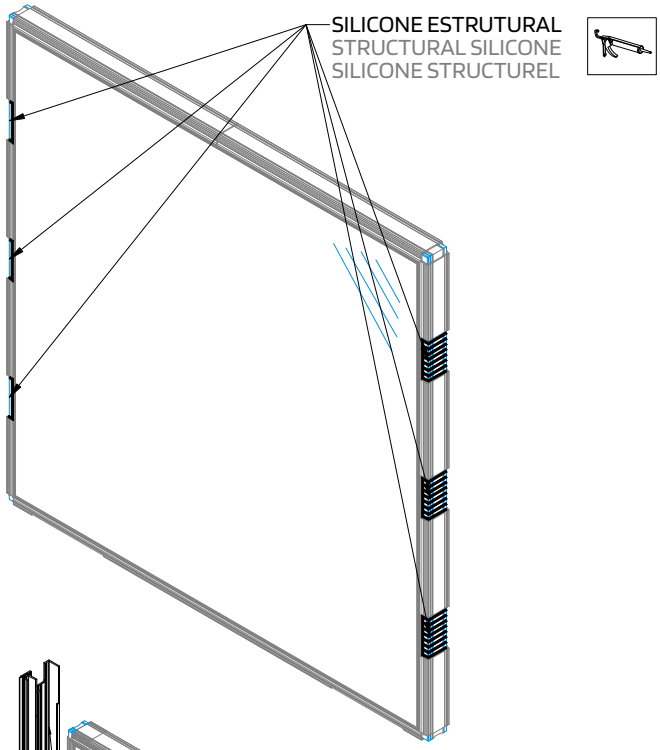

**IMPORTANTE | IMPORTANT | IMPORTANT:**
Esta operação apenas será necessária em vidros com mais de 80Kg.
This operation will only be necessary for glasses with more than 80Kg.
Cette opération ne sera nécessaire que pour les verres de plus de 80Kg.

## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

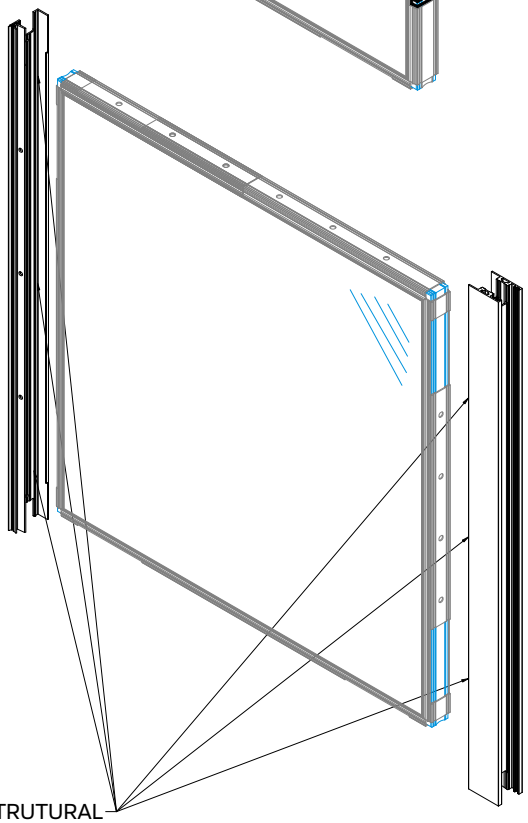
Montagem do vidro.
Glass assembly.
Assemblage du verre.

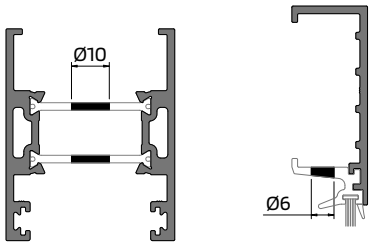
Corte da junta de vidro U e furação dos perfis laterais e centrais, para colagem estrutural do vidro.
U glazing gasket cutting and drilling the lateral and central profiles, for structural bonding of the glass.
Couper le joint de verre en U et percer les profilés latéraux et centraux pour le collage structurel du verre.

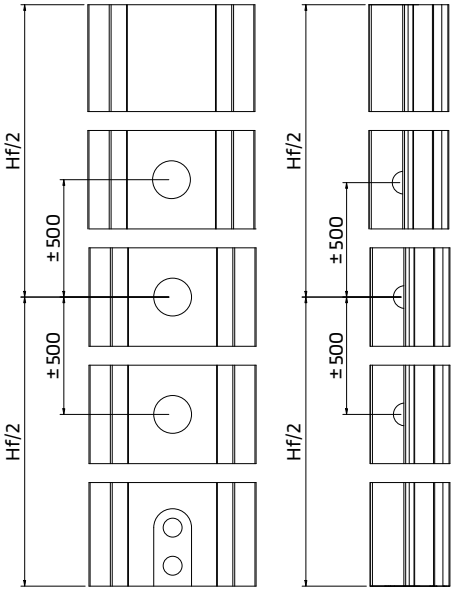



**IMPORTANTE | IMPORTANT | IMPORTANT:**
Esta operação terá de ser feita em todos os vidros, para qualquer altura.
This operation must be done on all glasses, for any height.
Cette opération devra être effectuée sur toutes les verres, pour toute hauteur.








SILICONE ESTRUTURAL
STRUCTURAL SILICONE
SILICONE STRUCTUREL

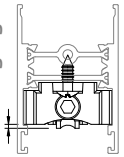
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Preencher na totalidade o espaço entre o vidro e o perfil com silicone estrutural.
Estudar a capacidade de adesão perfil-vidro com o fornecedor de silicone estrutural.
Completely fill the space between the glass and the profile with structural silicone.
Study the profile-glass adhesion capacity with the structural silicone supplier.
Remplir complètement l'espace entre le verre et le profilé avec du silicone structurel.
Étudier la capacité d'adhésion profilé-verre avec le fournisseur de silicone structurel.

# MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

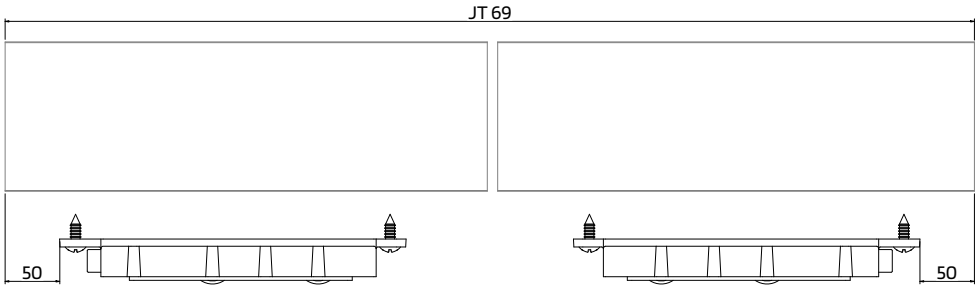
## Colocação dos carrinhos nas travessas inferiores.
Rollers placement on the bottom transoms.
Placement des roulettes sur les traverses inférieures.

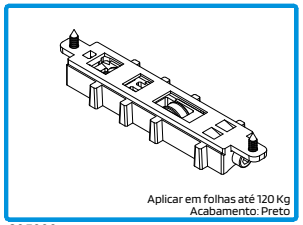
### Carrinhos JT-Slim.
JT-Slim Rollers.
Roulettes JT-Slim.

2 mm
Para afinação do carrinho
For roller tuning | Pour le réglage du roulette



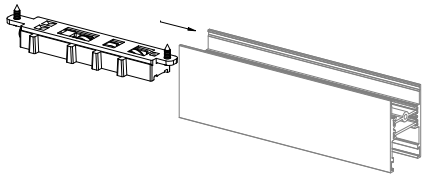
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores antes de fechar o aro móvel.
The rollers must be applied on the lower transoms before closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures avant de fermer le cadre ouvrant.



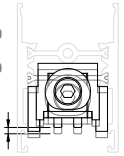
Aplicar em folhas até 120 Kg
Acabamento: Preto

**205000** CARRINHO JT-SLIM

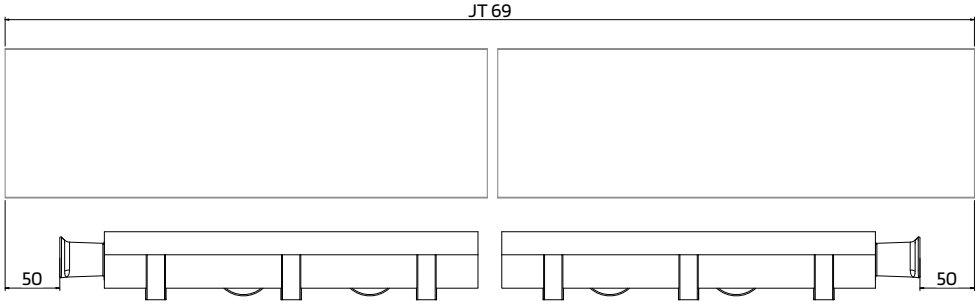


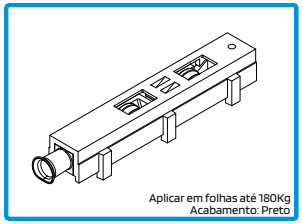
### Carrinhos JT-Slim 180kg.
180kg JT-Slim Rollers.
Roulettes JT-Slim 180kg.

± 2,5mm
Para afinação do carrinho
For roller tuning | Pour le réglage du roulette



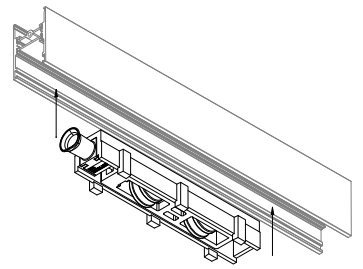
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores, no interior da maquinação da poliamida e fixos nos 2 parafusos, antes de colocar a pelúcia e fechar o aro móvel.
The rollers must be applied to the lower transoms, inside the polyamide machining and fixed to the 2 screws, before placing the pile seal and closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures, à l'intérieur de l'usinage polyamide et fixés aux 2 vis, avant de placer le joint brosse et de fermer le cadre ouvrant.



Aplicar em folhas até 180Kg
Acabamento: Preto

**205111** CARRINHO JT-SLIM 180KG





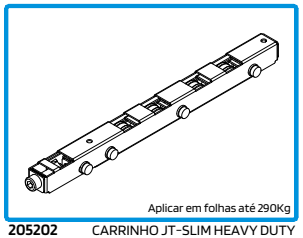
VI. 2-3
DATA | DATE | DATE: 28-10-2026

# MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

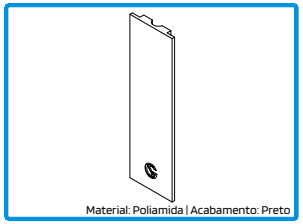
Colocação dos carrinhos nas travessas inferiores.
Rollers placement on the bottom transoms.
Placement des roulettes sur les traverses inférieures.

Carrinhos JT-Slim Heavy Duty.
Heavy Duty JT-Slim Rollers.
Roulettes JT-Slim Heavy Duty.

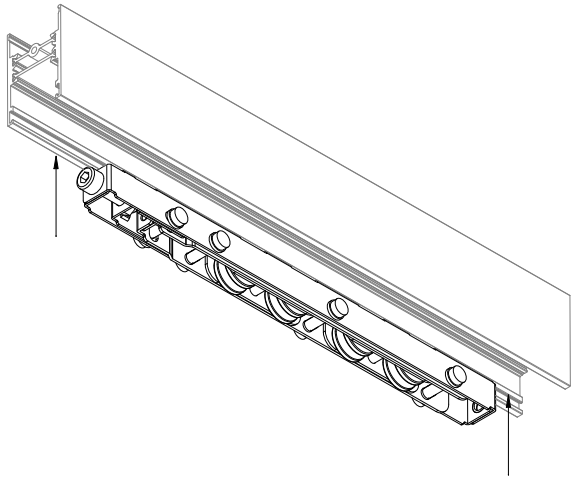
**IMPORTANTE | IMPORTANT | IMPORTANT:**
Os carrinhos devem ser aplicados nas travessas inferiores, no interior da maquinação da poliamida e fixos nos 2 parafusos, antes de colocar a pelúcia e fechar o aro móvel.
The rollers must be applied to the lower transoms, inside the polyamide machining and fixed to the 2 screws, before placing the pile seal and closing the mobile frame.
Les roulettes doivent être appliqués sur les traverses inférieures, à l'intérieur de l'usinage polyamide et fixés aux 2 vis, avant de placer le joint brosse et de fermer le cadre ouvrant.



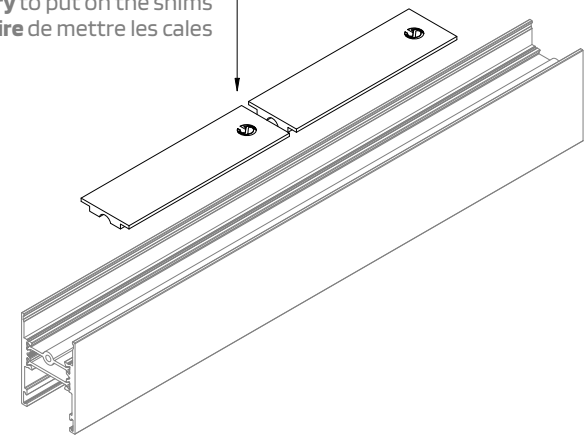

**205202** CARRINHO JT-SLIM HEAVY DUTY

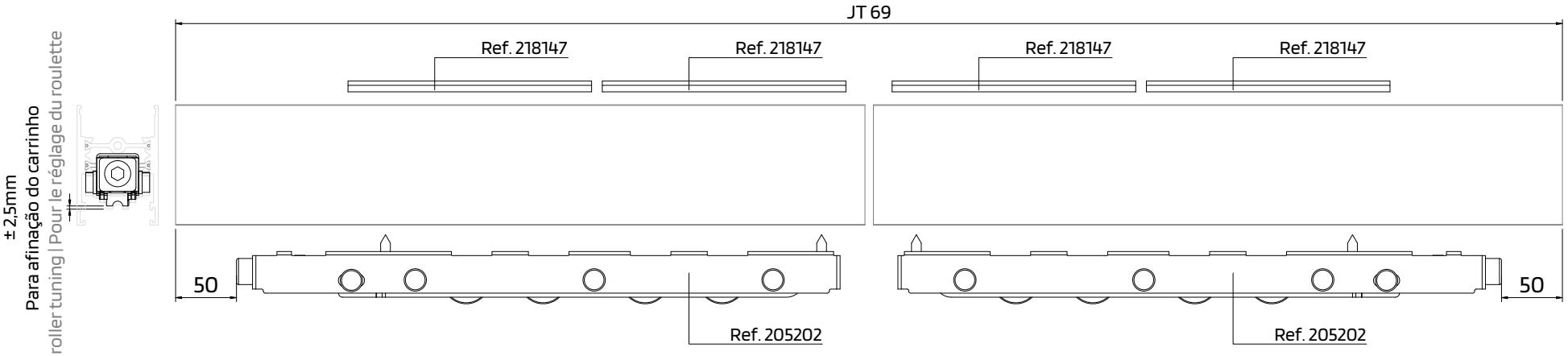



**218147** CALÇO REFORÇO HORIZ. JT-SLIM



**Obrigatório** colocar os calços
**Mandatory** to put on the shims
**Obligatoire** de mettre les cales





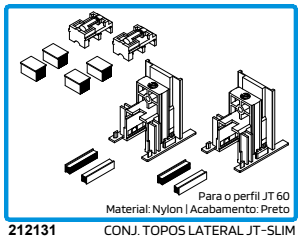



VI. 2-4
DATA | DATE | DATE: 28-10-2026

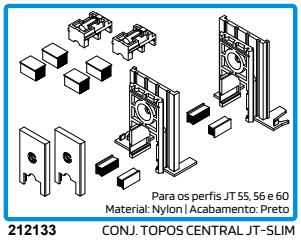
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Montagem e fixação do aro móvel.
Mobile frame assembling and fixing.
Montage et fixation de le cadre ouvrant.

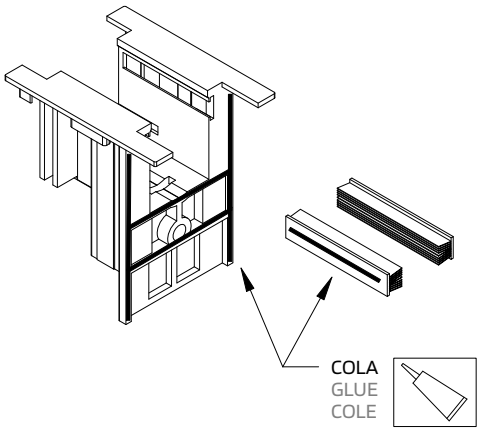
Colar as pelúcias nos topos laterais e centrais, antes de os colocar nos perfis.
Glue the pile seals of the lateral and central end-caps before placing them in the profiles.
Coller les joint brosses sur les embouts latéraux et centraux avant de les placer sur les profilés.

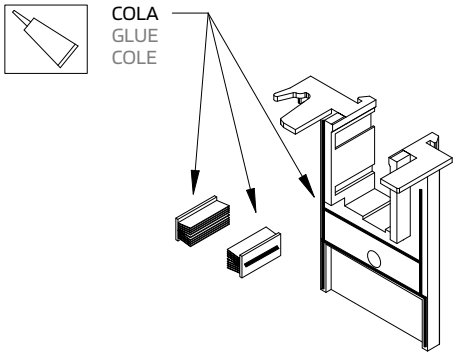



**212131** CONJ. TOPOS LATERAL JT-SLIM

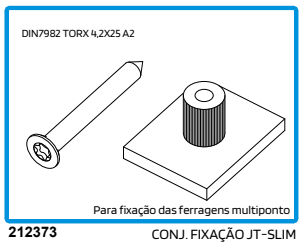



**212133** CONJ. TOPOS CENTRAL JT-SLIM

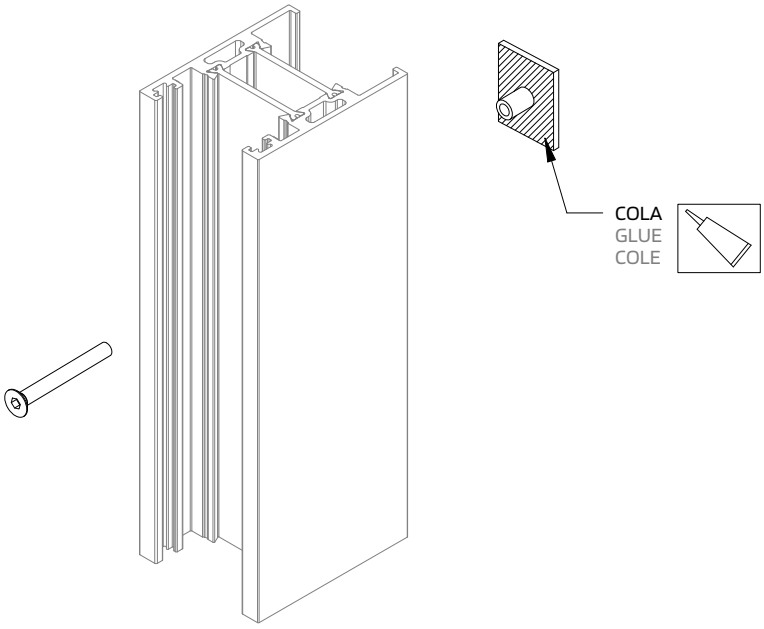



Colar as peças de poliamida ao perfil móvel.
Glue the polyamide parts to the movable profile..
Coller les pièces en polyamide sur le profilé mobile.



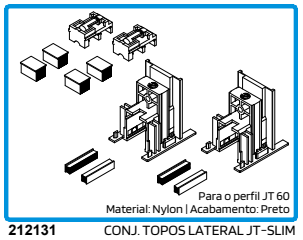

**212373** CONJ. FIXAÇÃO JT-SLIM



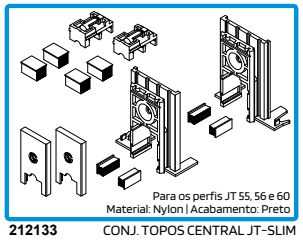
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Montagem e fixação do aro móvel.
Mobile frame assembling and fixing.
Montage et fixation de le cadre ouvrant.

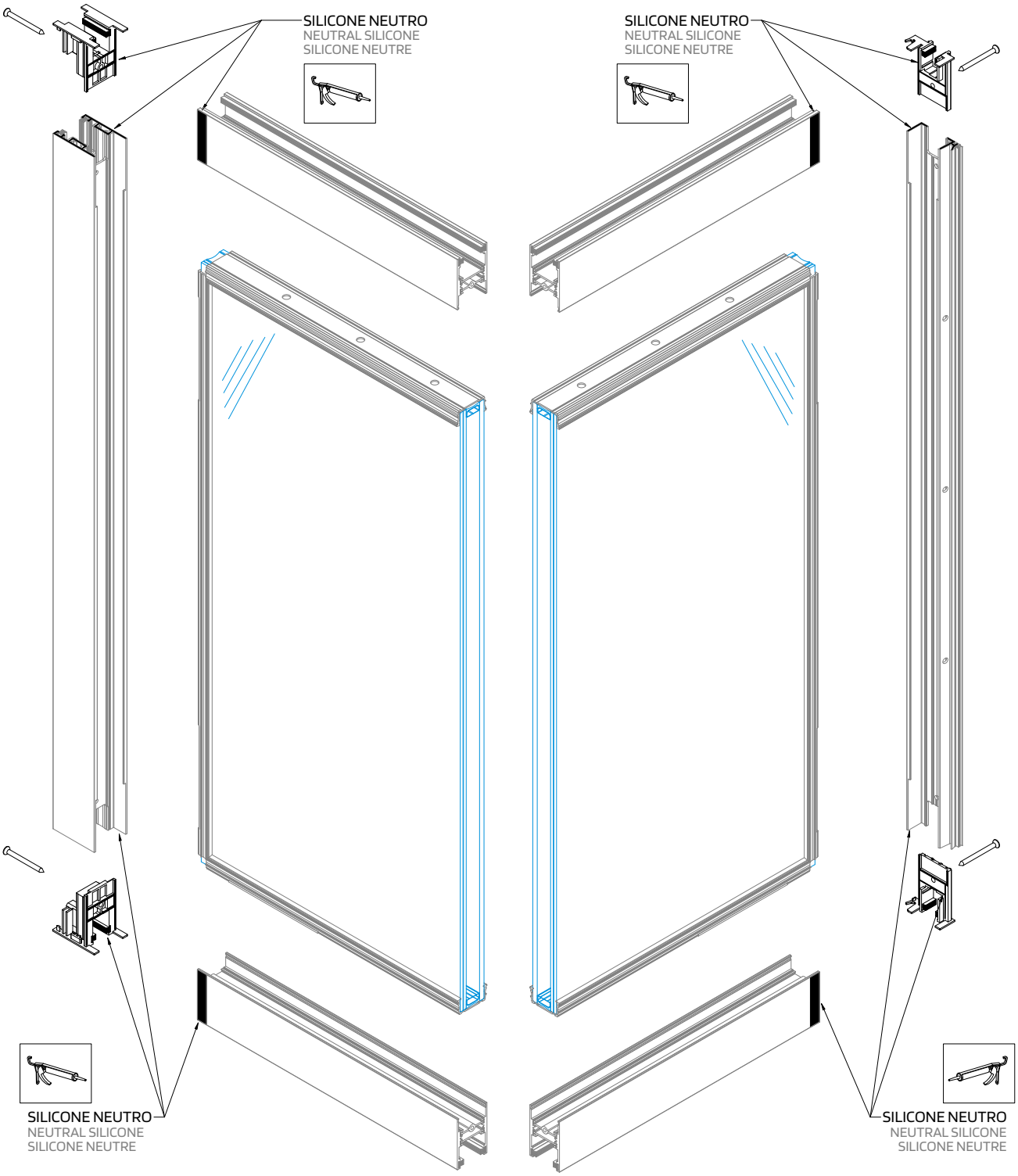
Aplicar silicone nas zonas de sobreposição dos perfis móveis verticais/ horizontais e nos topos de fixação.
Apply silicone in the overlapping areas of the vertical/horizontal mobile profiles and in the fixing end-caps.
Appliquer du silicone sur les zones de chevauchement des profilés ouvrant verticaux/horizontaux et des embouts de fixation.




**212131** CONJ. TOPOS LATERAL JT-SLIM



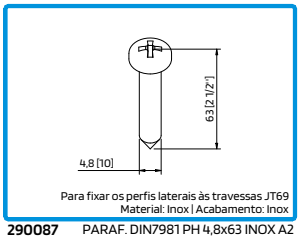

**212133** CONJ. TOPOS CENTRAL JT-SLIM



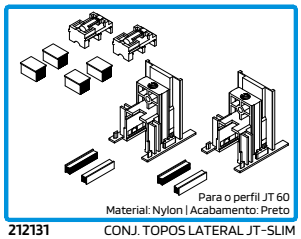
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

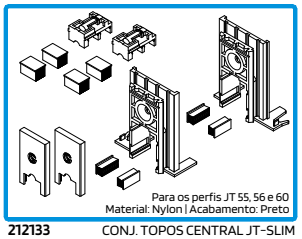
Montagem e fixação do aro móvel.
Mobile frame assembling and fixing.
Montage et fixation de le cadre ouvrant.

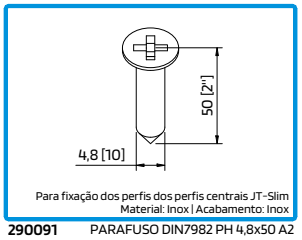
Etapas de montagem.
Assembly steps.
Étapes d'assemblage.



Para fixar os perfis laterais às travessas JT69
Material: Inox | Acabamento: Inox
**290087** PARAF. DIN7981 PH 4,8x63 INOX A2


Para o perfil JT 60
Material: Nylon | Acabamento: Preto
**212131** CONJ. TOPOS LATERAL JT-SLIM


Para os perfis JT 55, 56 e 60
Material: Nylon | Acabamento: Preto
**212133** CONJ. TOPOS CENTRAL JT-SLIM



Para fixação dos perfis dos perfis centrais JT-Slim
Material: Inox | Acabamento: Inox
**290091** PARAFUSO DIN7982 PH 4,8x50 A2

**Passo | Step | Étape 1:**
Colocar as travessas inferior e superior no vidro
Place the upper and lower transoms on the glass
Placer les traverses supérieure et inférieure sur le verre

**Passo | Step | Étape 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
Placer le profilé latéral avec les embouts et monter sur les traverses



**Passo | Step | Étape 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.
Placer le profilé central avec les embouts et placer sur les traverses.

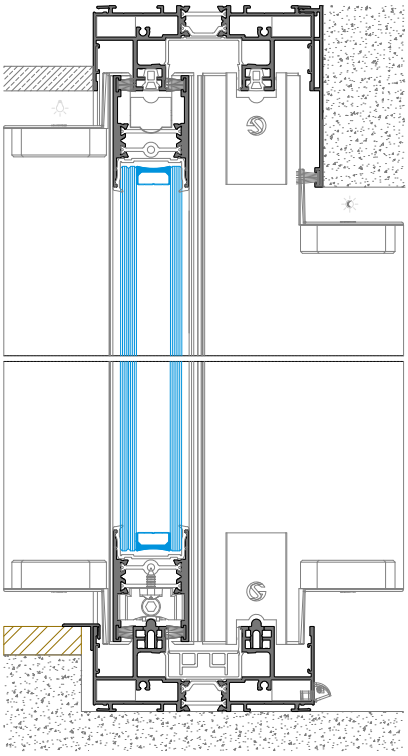
Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.
These accessories should be placed when the sash is already applied in the frame.
Ces accessoires doivent être placés lorsque la vantail est déjà appliquée sur le cadre.

**Passo | Step | Étape 4:**
Fixar os perfis através do aparafusamento dos topos.
Fix the profiles by screwing the end-caps.
Fixer les profilés en vissant les embouts.

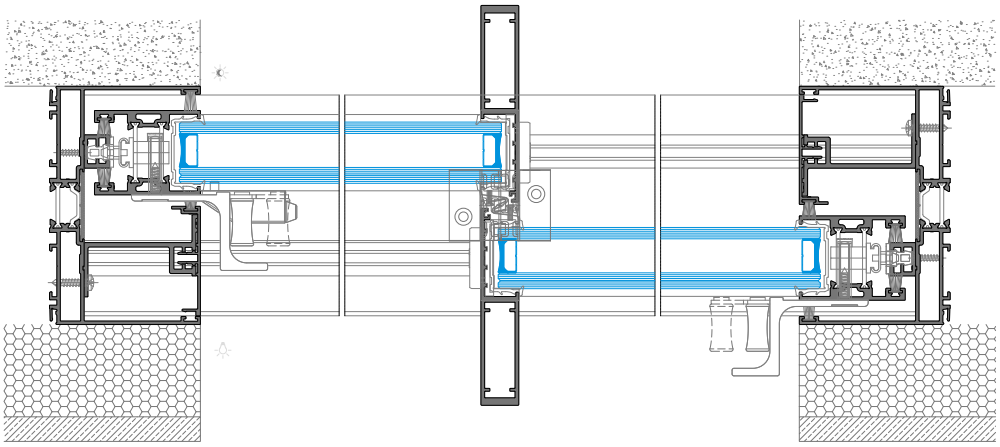
Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.
These accessories should be placed when the sash is already applied in the frame.
Ces accessoires doivent être placés lorsque la vantail est déjà appliquée sur le cadre.

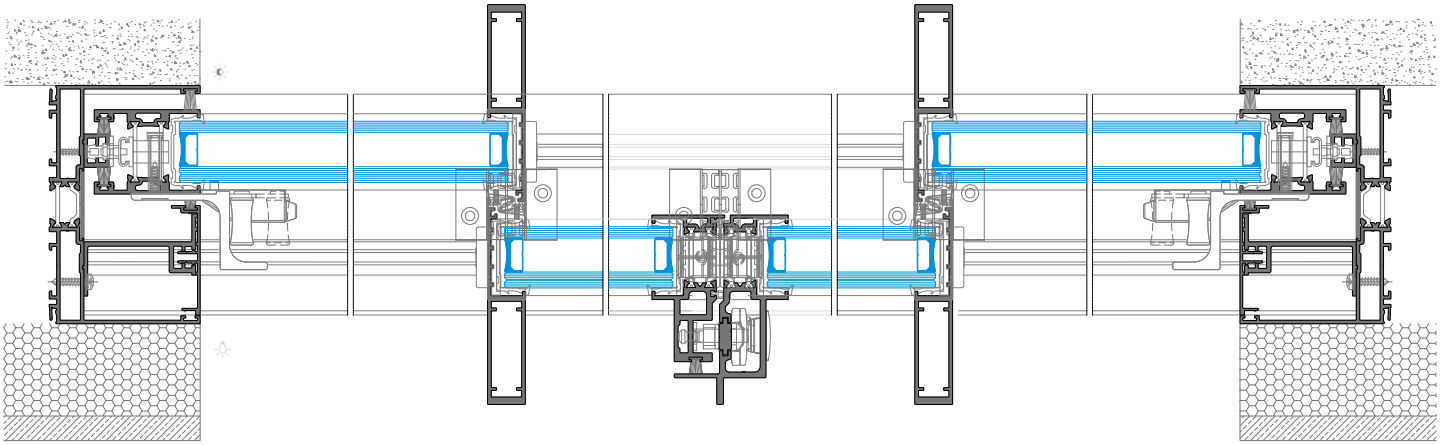
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Perfis centrais
Central profiles
Profilés centraux
JT56 | JT 73 | JT 74



Perfis centrais
Central profiles
Profilés centraux
JT 56

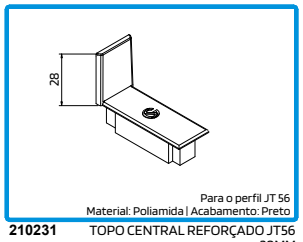




## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

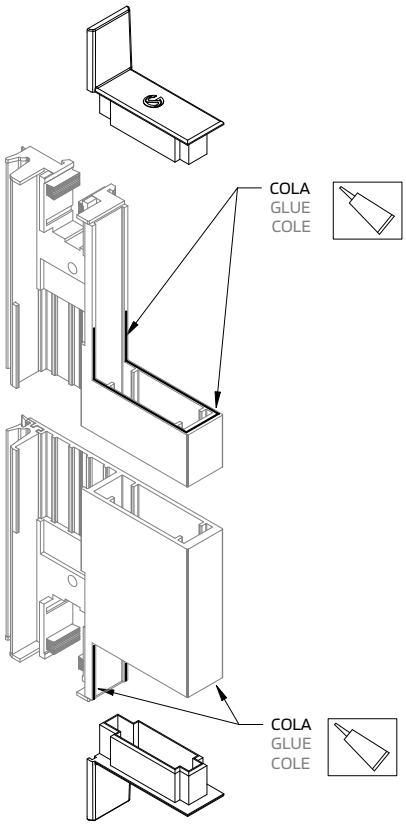
Perfis móveis centrais.
Central mobile profiles.
Profilés ouvrants centraux.

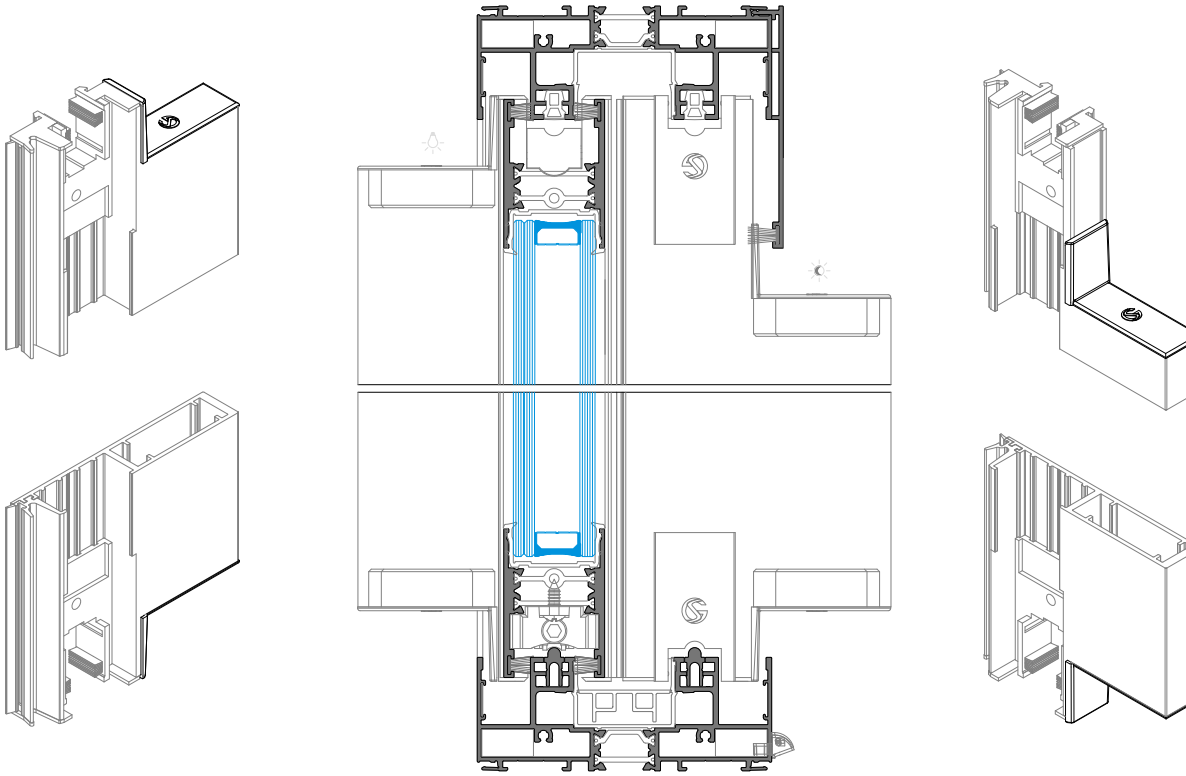
Aplicação dos Topos Centrais.
Central End-caps application.
Application des Embouts Centraux.




Para o perfil JT 56
Material: Poliamida | Acabamento: Preto

**210231** TOPO CENTRAL REFORÇADO JT56 28MM



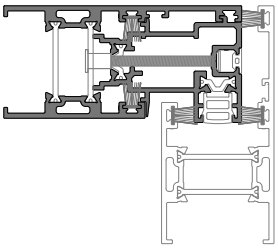



## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Montagem de tipologia de canto 90° - **FOLHA A.**
Assembly of 90º corner typology - **A SASH**.
Assemblage d'une typologie d'angle à 90º - **VANTAIL A**.

Fixação dos perfis JT62 e JT72.
JT62 and JT72 fixation.
Fixation des profilés JT62 et JT72.

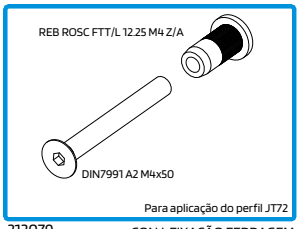
FOLHA | SASH | VANTAIL A



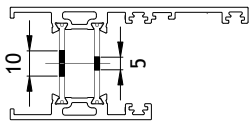
FOLHA
SASH
VANTAIL
B

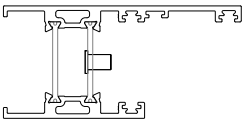
**IMPORTANTE | IMPORTANT | IMPORTANT:**

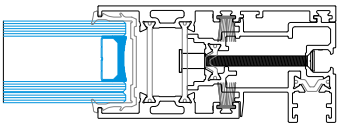
Colocar os rebites antes de se fazer o fecho das esquadrias da folha móvel.
**Utilizar no mínimo 4 conjuntos para fixação do perfil JT72.**
Place the rivets before closing the frames of the mobile sash.
**Use at least 4 sets for fixing the JT72 profile.**
Placer les rivets avant de fermer les cadres de la cadre ouvrant.
**Utiliser au moins 4 kit pour la fixation du profilé JT72.**

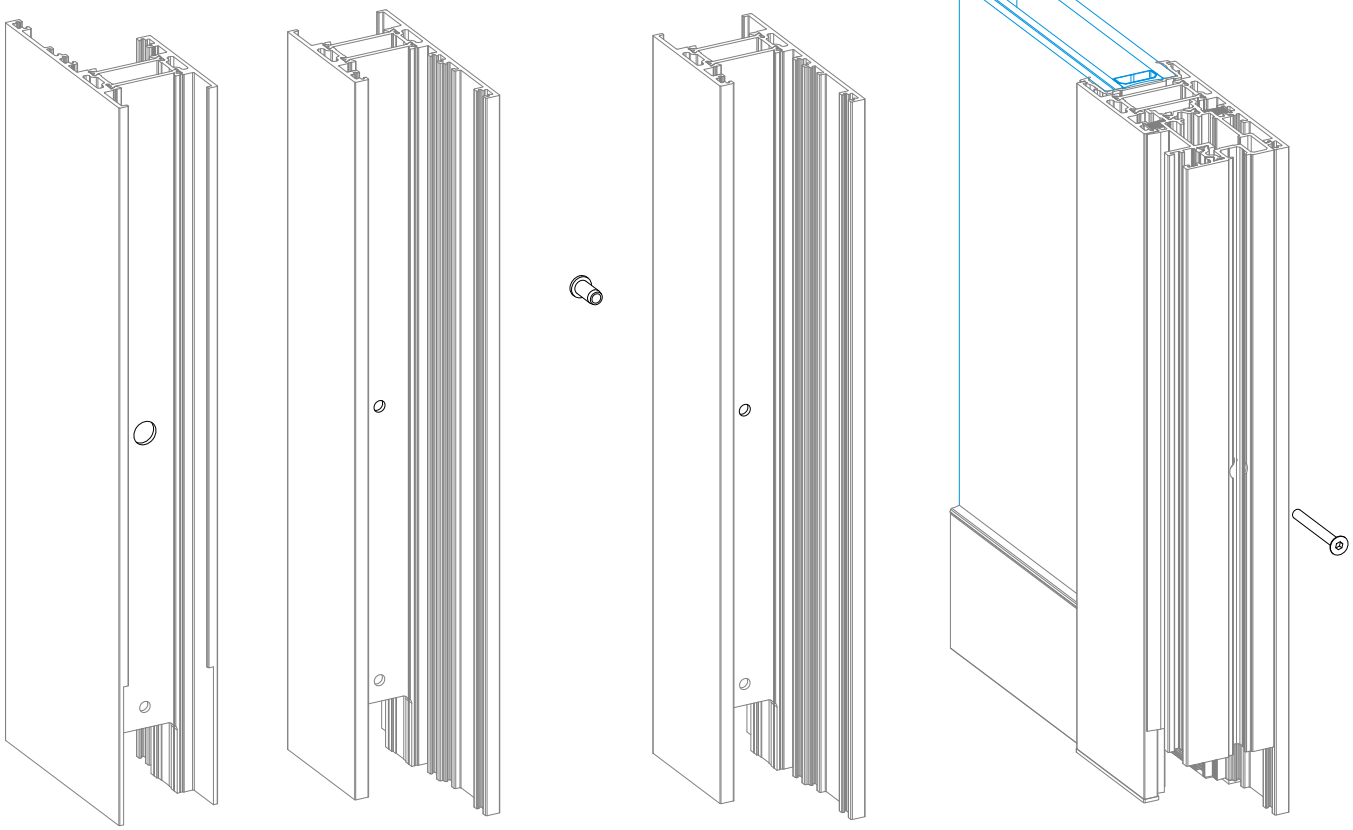



212079 CONJ. FIXAÇÃO FERRAGEM MULTIPONTO JT72



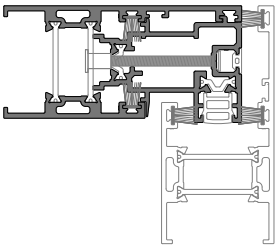




## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

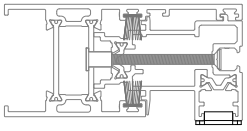
Montagem de tipologia de canto 90° - **FOLHA A.**
Assembly of 90º corner typology - **A SASH**.
Assemblage d'une typologie d'angle à 90º - **VANTAIL A**.

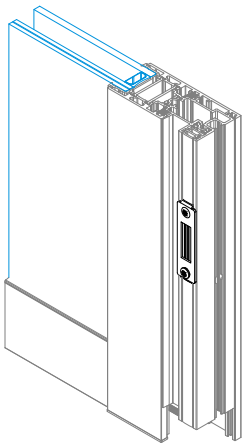
FOLHA | SASH | VANTAIL A

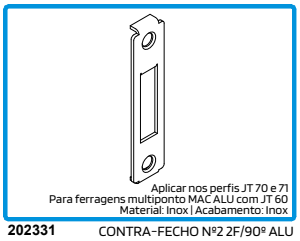


FOLHA
SASH
VANTAIL
B

Colocar os calços para contra-fecho antes de se pôr a folha no vão.
Place the locking plate shims before placing the sash in the frame.
Placer les cales pour la contre-fermeture avant de placer la vantail dans le cadre.



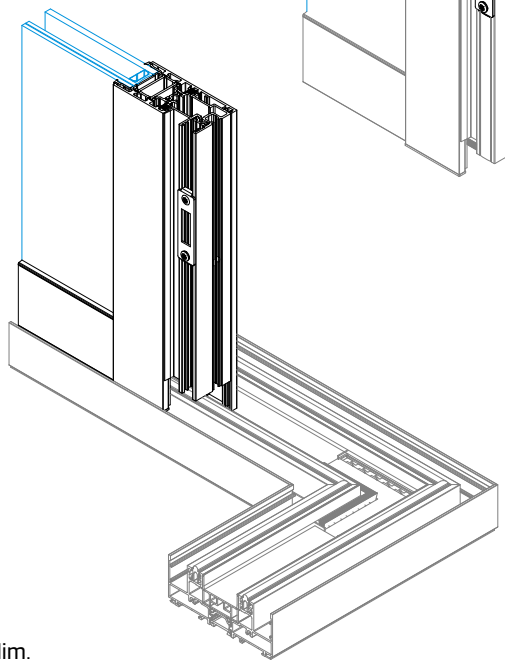




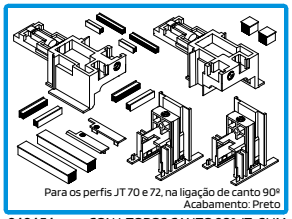
Aplicar nos perfis JT 70 e 71
Para ferragens multiponto MAC ALU com JT 60
Material: Inox | Acabamento: Inox

**202331** CONTRA-FECHO Nº2 2F/90º ALU

Colocar a folha no vão.
Place the sash in the frame.
Placer la vantail dans le cadre.

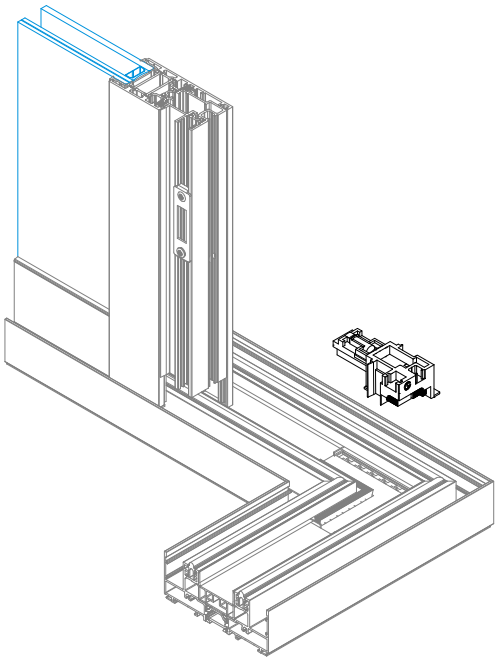


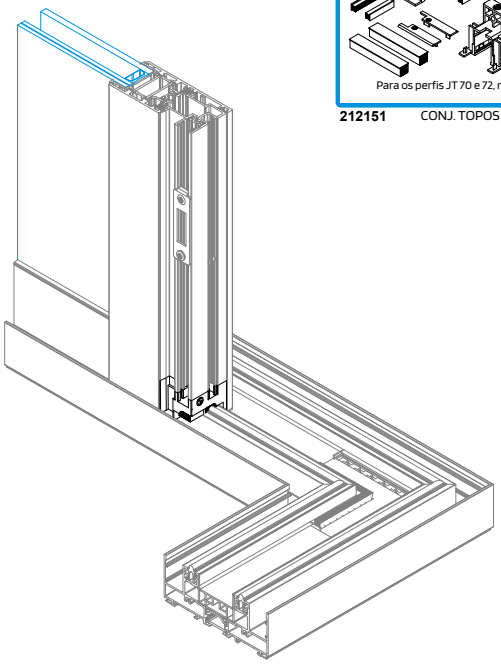
Colocar o conjunto topos canto 90° JT-Slim.
Place the JT-Slim 90° corner end-caps kit.
Placer le kit d'embouts pour angle 90° JT-Slim.



Para os perfis JT 70 e 72, na ligação de canto 90º
Acabamento: Preto

**212151** CONJ. TOPOS CANTO 90º JT-SLIM

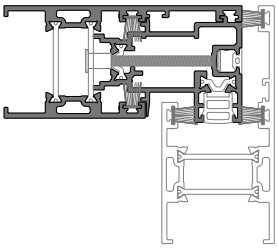




## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

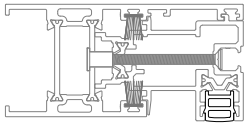
Montagem de tipologia de canto 90º - **FOLHA A.**
Assembly of 90º corner typology - **A SASH**.
Assemblage d'une typologie d'angle à 90º - **VANTAIL A**.

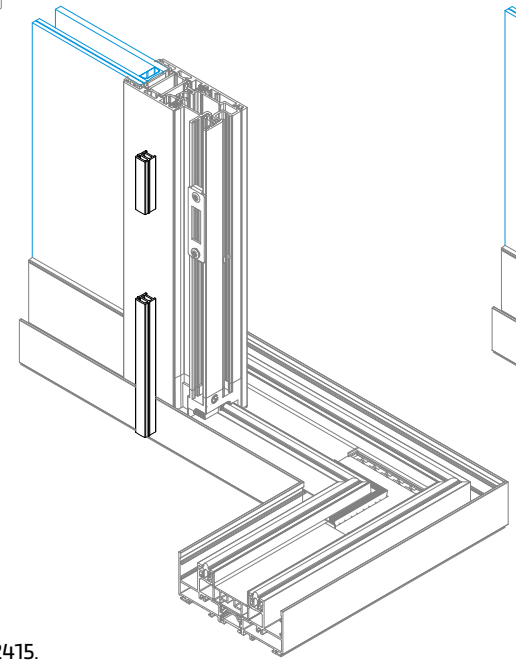
FOLHA | SASH | VANTAIL A

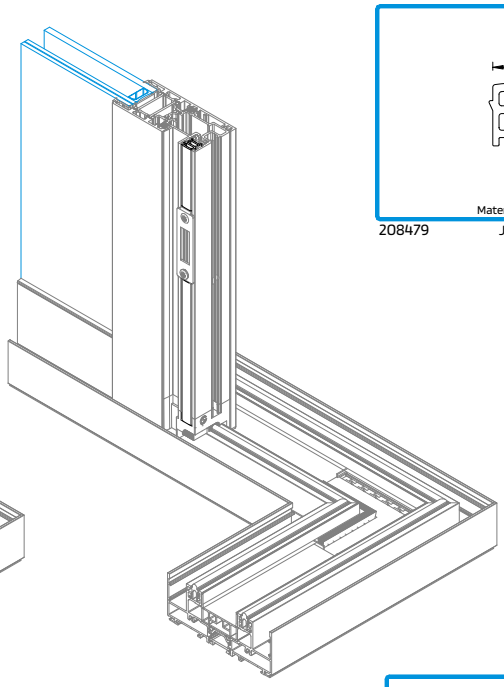


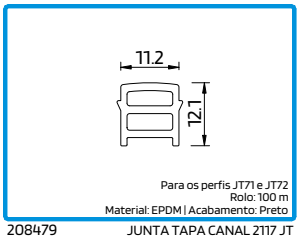
FOLHA
SASH
VANTAIL
B

Colocar a junta tapa canal perfil lig. 2117 JT.
Place the 2117 channel cover joint.
Monter le joint de couvercle de canal du profilé de liaison 2117 JT.





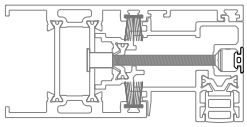


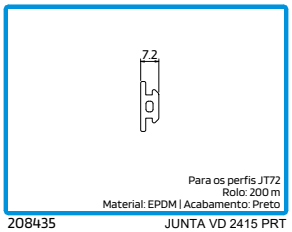



Para os perfis JT71 e JT72
Rolo: 100 m
Material: EPDM | Acabamento: Preto

208479 JUNTA TAPA CANAL 2117 JT

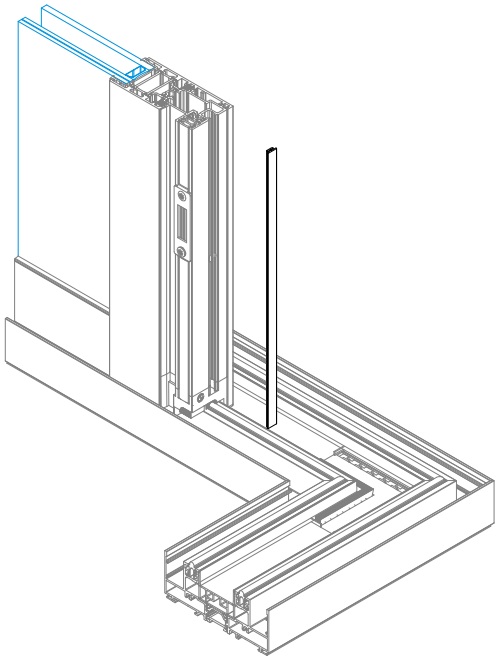
7.6 - Colocar a junta VD 2415.
Place the VD 2415 joint.
Placer le joint VD 2415.

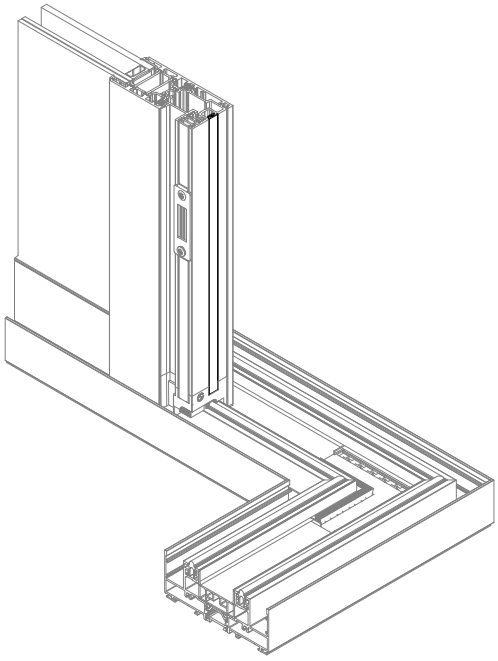





Para os perfis JT72
Rolo: 200 m
Material: EPDM | Acabamento: Preto

208435 JUNTA VD 2415 PRT



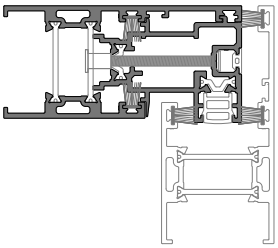


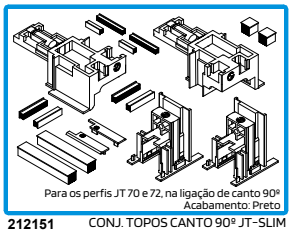
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

Montagem de tipologia de canto 90º - **FOLHA B.**
Assembly of 90º corner typology - **B SASH**.
Assemblage d'une typologie d'angle à 90º - **VANTAIL B**.

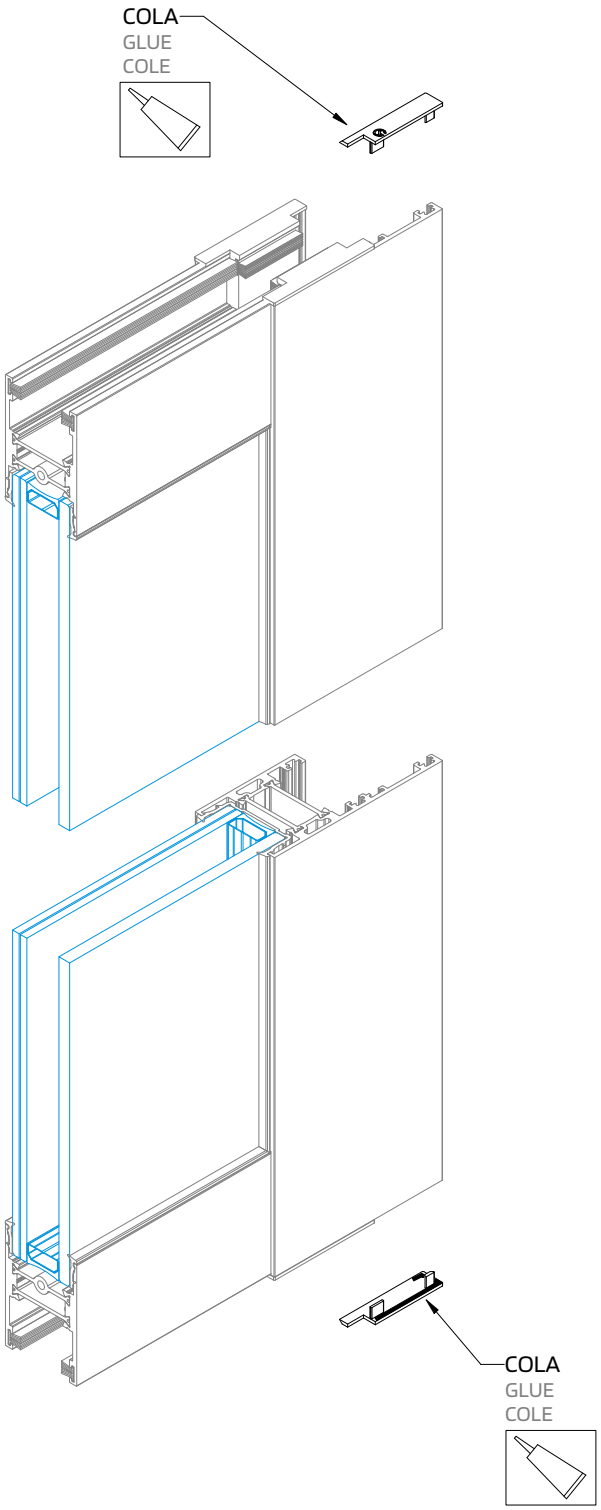
Colar os topos que sobraram do Conjunto de topos canto 90º JT.
Paste the remaining end-caps from the 90º corner end-caps kit.
Coller les embouts restants du kit d'embouts pour angle 90º JT.

FOLHA | SASH | VANTAIL A





Para os perfis JT 70 e 72, na ligação de canto 90º
Acabamento: Preto

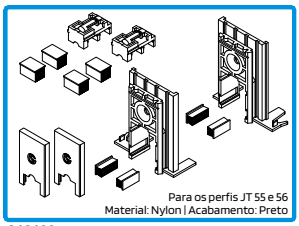
**212151** CONJ. TOPOS CANTO 90º JT-SLIM



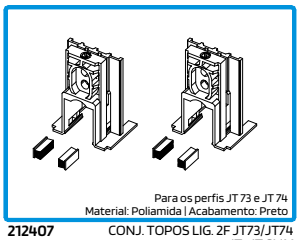
## MONTAGEM DOS PERFIS ARO MÓVEL - COM OS PERFIS JT 55 E JT 73 - JT-SLIM
MOBILE FRAME PROFILES ASSEMBLY - WITH JT 55 AND JT 73 PROFILES - JT-SLIM
ASSEMBLAGE DES PROFILÉS OUVRANT - AVEC PROFILÉS JT 55 ET JT 73 - JT-SLIM

Montagem e fixação do aro móvel.
Mobile frame assembling and fixing.
Montage et fixation de le cadre ouvrant.

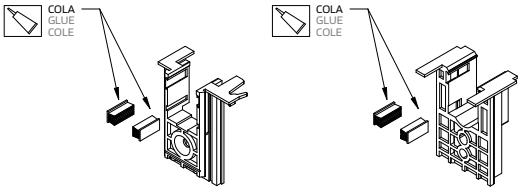
Colar as pelúcias nos topos centrais, antes de os colocar nos perfis.
Glue the pile seals of the central end-caps before placing them in the profiles.
Coller les joint brosses sur les embouts centraux avant de les placer sur les profilés.



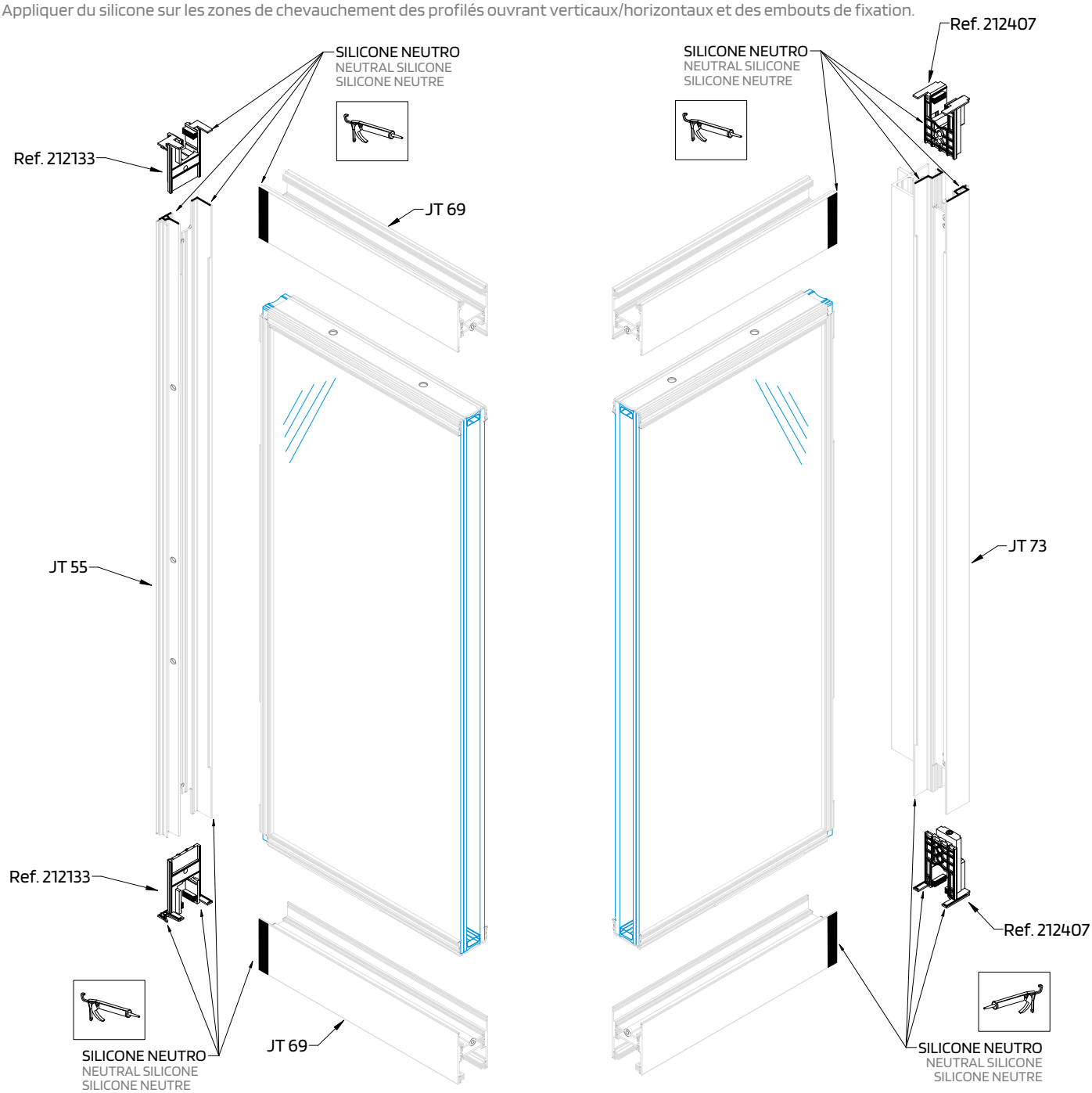

**212133** CONJ. TOPOS CENTRAL JT-SLIM



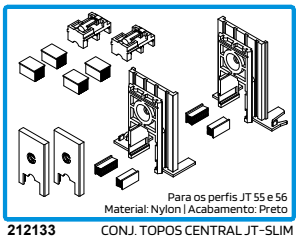

**212407** CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM



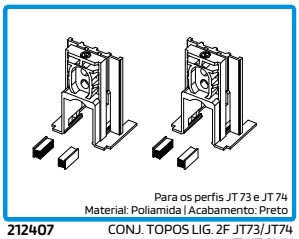

Aplicar silicone nas zonas de sobreposição dos perfis móveis verticais/horizontais e nos topos de fixação.
Apply silicone in the overlapping areas of the vertical/horizontal mobile profiles and in the fixing end-caps.
Appliquer du silicone sur les zones de chevauchement des profilés ouvrant verticaux/horizontaux et des embouts de fixation.



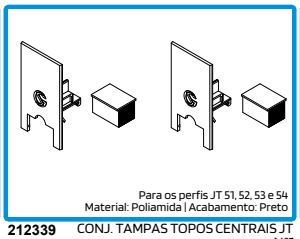
## MONTAGEM DOS PERFIS ARO MÓVEL - COM OS PERFIS JT 55 E JT 73 - JT-SLIM
MOBILE FRAME PROFILES ASSEMBLY - WITH JT 55 AND JT 73 PROFILES - JT-SLIM
ASSEMBLAGE DES PROFILÉS OUVRANT - AVEC PROFILÉS JT 55 ET JT 73 - JT-SLIM


Para os perfis JT 55 e 56
Material: Nylon | Acabamento: Preto

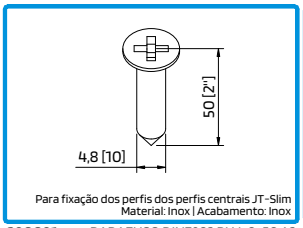
**212133** CONJ. TOPOS CENTRAL JT-SLIM


Para os perfis JT 73 e JT 74
Material: Poliamida | Acabamento: Preto

**212407** CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM

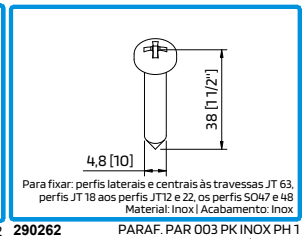

Para os perfis JT 51, 52, 53 e 54
Material: Poliamida | Acabamento: Preto

**212339** CONJ. TAMPAS TOPOS CENTRAIS JT Nº1



Para fixação dos perfis dos perfis centrais JT-Slim
Material: Inox | Acabamento: Inox

**290091** PARAFUSO DIN7982 PH 4,8x50 A2

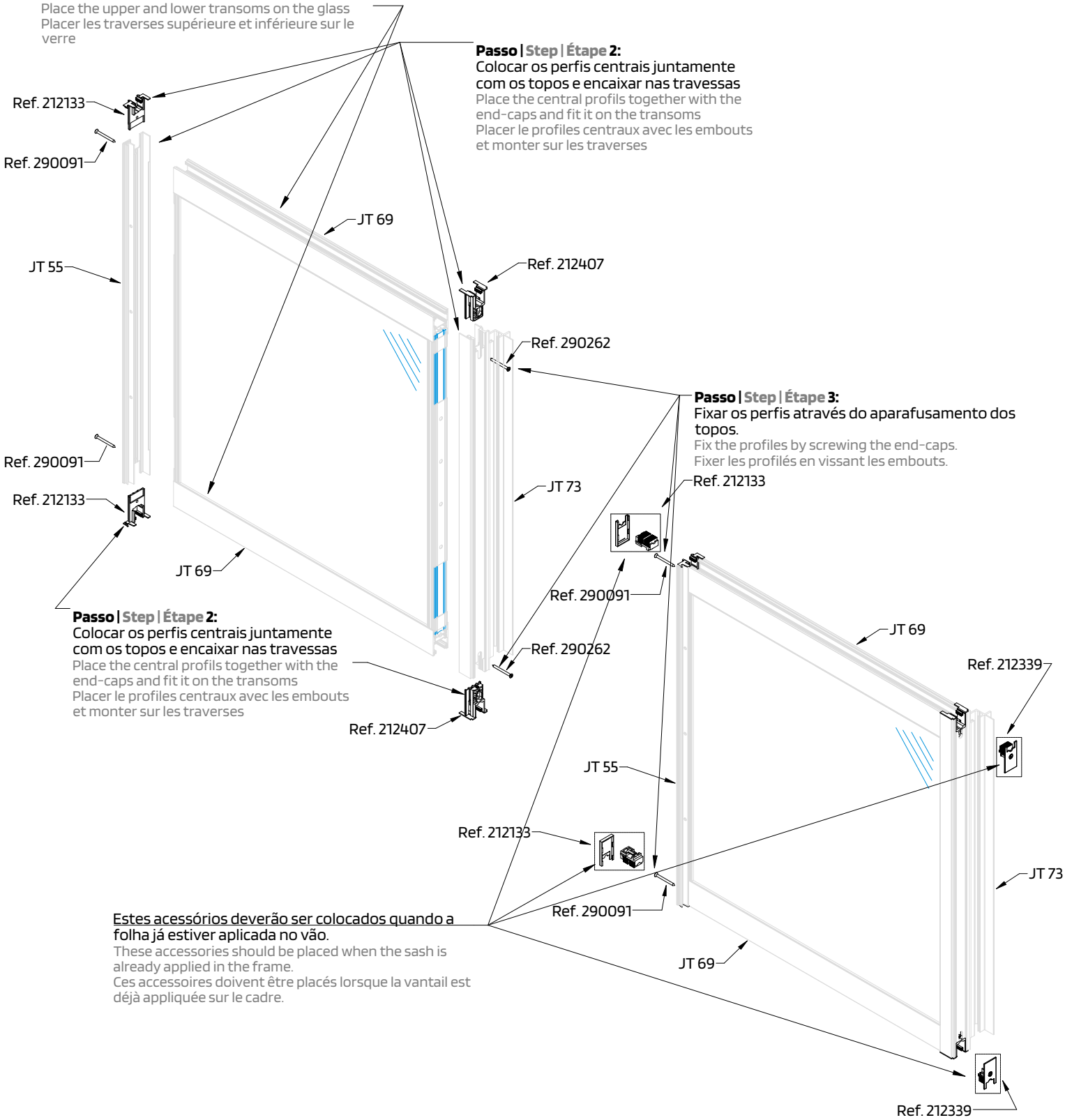


Para fixar: perfis laterais e centrais às travessas JT 63, perfis JT 18 aos perfis JT12 e 22, os perfis SO47 e 48
Material: Inox | Acabamento: Inox

**290262** PARAF. PAR 003 PK INOX PH 1 1/2x10 CQ

**Passo | Step | Étape 1:**
Colocar as travessas inferior e superior no vidro
Place the upper and lower transoms on the glass
Placer les traverses supérieure et inférieure sur le verre

**Passo | Step | Étape 2:**
Colocar os perfis centrais juntamente com os topos e encaixar nas travessas
Place the central profils together with the end-caps and fit it on the transoms
Placer le profiles centraux avec les embouts et monter sur les traverses



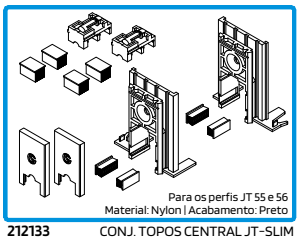

**Passo | Step | Étape 2:**
Colocar os perfis centrais juntamente com os topos e encaixar nas travessas
Place the central profils together with the end-caps and fit it on the transoms
Placer le profiles centraux avec les embouts et monter sur les traverses

Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.
These accessories should be placed when the sash is already applied in the frame.
Ces accessoires doivent être placés lorsque la vantail est déjà appliquée sur le cadre.

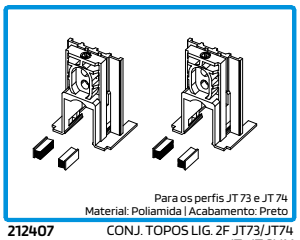
## MONTAGEM DOS PERFIS ARO MÓVEL - COM OS PERFIS JT 55 E JT 74 - JT-SLIM
MOBILE FRAME PROFILES ASSEMBLY - WITH JT 55 AND JT 74 PROFILES - JT-SLIM
ASSEMBLAGE DES PROFILÉS OUVRANT - AVEC PROFILÉS JT 55 ET JT 74 - JT-SLIM

Montagem e fixação do aro móvel.
Mobile frame assembling and fixing.
Montage et fixation de le cadre ouvrant.

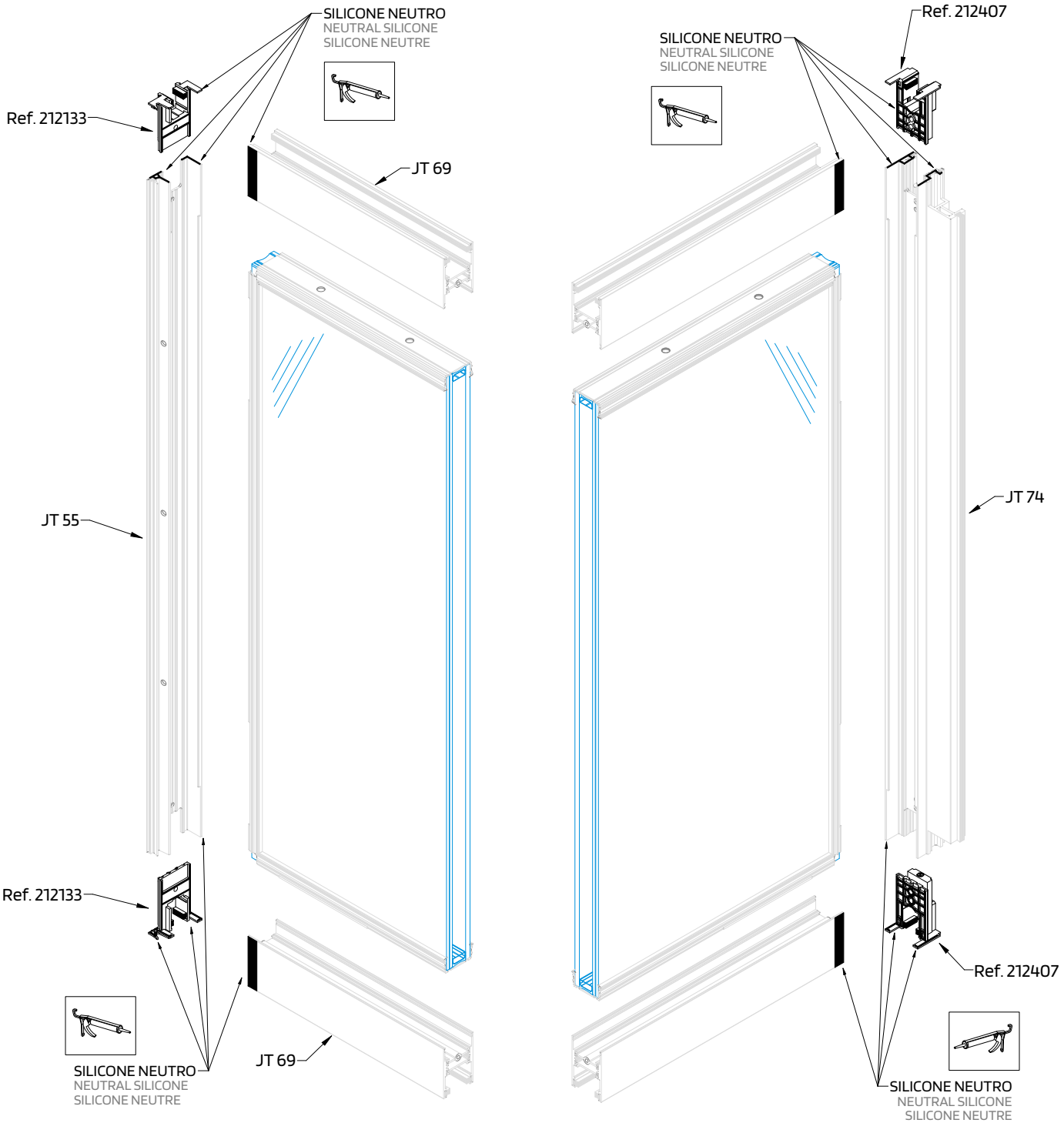
Aplicar silicone nas zonas de sobreposição dos perfis móveis verticais/horizontais e nos topos de fixação.
Apply silicone in the overlapping areas of the vertical/horizontal mobile profiles and in the fixing end-caps.
Appliquer du silicone sur les zones de chevauchement des profilés ouvrant verticaux/horizontaux et des embouts de fixation.



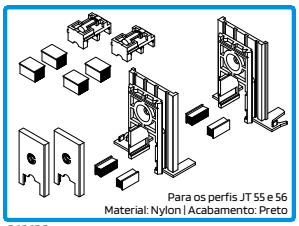

**212133** CONJ. TOPOS CENTRAL JT-SLIM



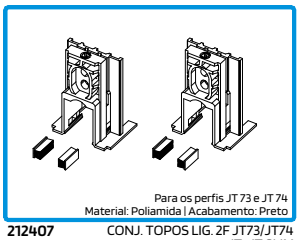

**212407** CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM



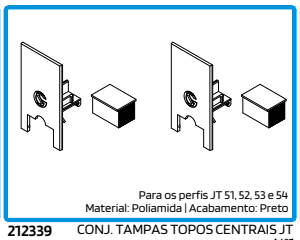
## MONTAGEM DOS PERFIS ARO MÓVEL - COM OS PERFIS JT 55 E JT 74 - JT-SLIM
MOBILE FRAME PROFILES ASSEMBLY - WITH JT 55 AND JT 74 PROFILES - JT-SLIM
ASSEMBLAGE DES PROFILÉS OUVRANT - AVEC PROFILÉS JT 55 ET JT 74 - JT-SLIM


Para os perfis JT 55 e 56
Material: Nylon | Acabamento: Preto

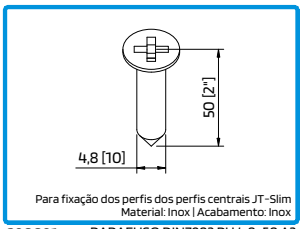
**212133** CONJ. TOPOS CENTRAL JT-SLIM


Para os perfis JT 73 e JT 74
Material: Poliamida | Acabamento: Preto

**212407** CONJ. TOPOS LIG. 2F JT73/JT74 JT-JT SLIM

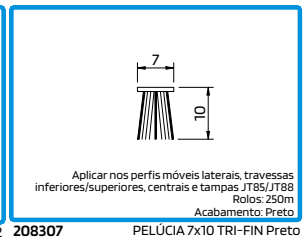

Para os perfis JT 51, 52, 53 e 54
Material: Poliamida | Acabamento: Preto

**212339** CONJ. TAMPAS TOPOS CENTRAIS JT Nº1



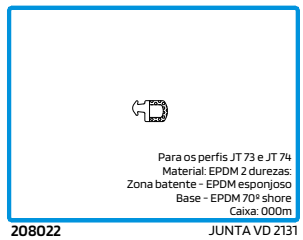
Para fixação dos perfis dos perfis centrais JT-Slim
Material: Inox | Acabamento: Inox

**290091** PARAFUSO DIN7982 PH 4,8x50 A2

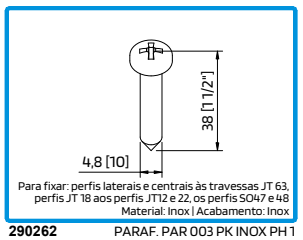


Aplicar nos perfis móveis laterais, travessas inferiores/superiores, centrais e tampas JT85/JT88
Rolos: 250m
Acabamento: Preto

**208307** PELÚCIA 7x10 TRI-FIN Preto


Para os perfis JT 73 e JT 74
Material: EPDM 2 durezas:
Zona batente - EPDM esponjoso
Base - EPDM 70º shore
Caixa: 000m

**208022** JUNTA VD 2131



Para fixar: perfis laterais e centrais às travessas JT 63, perfis JT 18 aos perfis JT12 e 22, os perfis SO47 e 48
Material: Inox | Acabamento: Inox

**290262** PARAF. PAR 003 PK INOX PH 1 1/2x10 CQ

**Passo | Step | Étape 1:**
Colocar as travessas inferior e superior no vidro
Place the upper and lower transoms on the glass
Placer les traverses supérieure et inférieure sur le verre

**Passo | Step | Étape 2:**
Colocar os perfis centrais juntamente com os topos e encaixar nas travessas
Place the central profils together with the end-caps and fit it on the transoms
Placer le profiles centraux avec les embouts et monter sur les traverses

**Passo | Step | Étape 4:**
Colocar os vedantes e a pelucia
Place the gaskets and pile seal
Placer les joints et les joints brosses

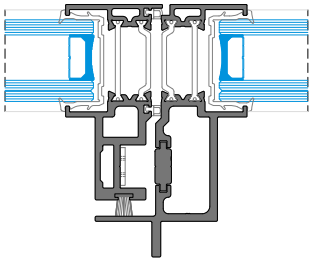
**Passo | Step | Étape 3:**
Fixar os perfis através do aparafusamento dos topos.
Fix the profiles by screwing the end-caps.
Fixer les profilés en vissant les embouts.

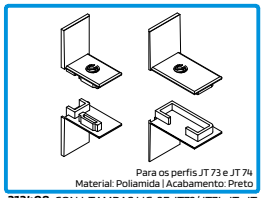



Estes acessórios deverão ser colocados quando a folha já estiver aplicada no vão.
These accessories should be placed when the sash is already applied in the frame.
Ces accessoires doivent être placés lorsque la vantail est déjà appliquée sur le cadre.

## MONTAGEM DOS PERFIS ARO MÓVEL - COM OS PERFIS JT 73 E JT 74
MOBILE FRAME PROFILES ASSEMBLY - WITH JT 73 AND JT 74 PROFILES
ASSEMBLAGE DES PROFILÉS OUVRANT - AVEC PROFILÉS JT 73 ET JT 74

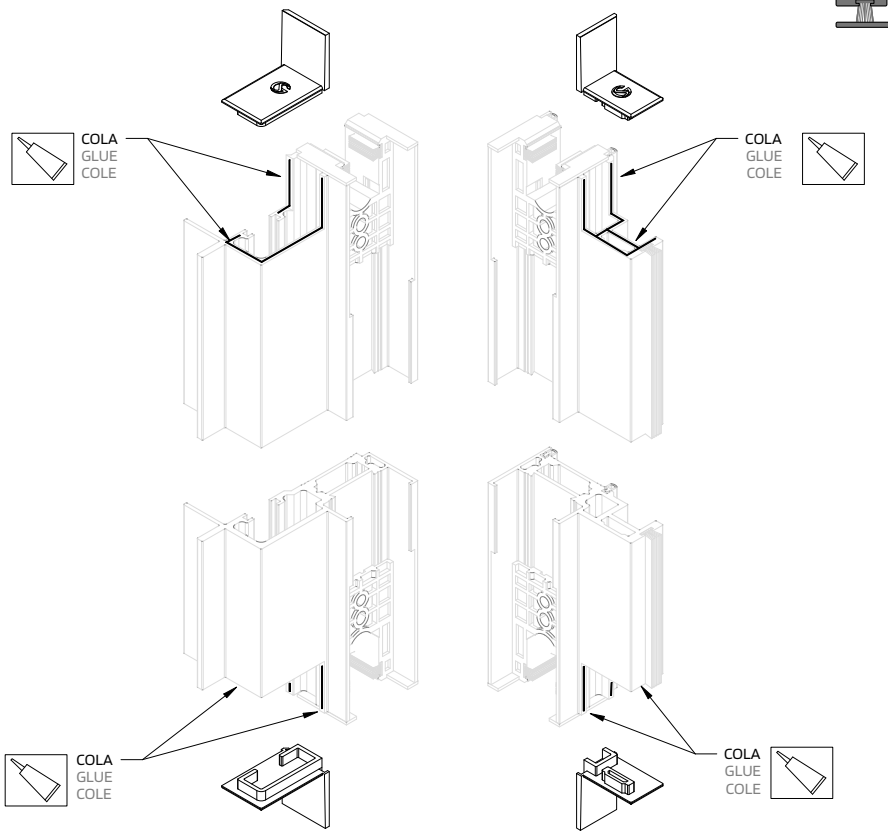
Perfis móveis centrais.
Central mobile profiles.
Profilés ouvrants centraux.

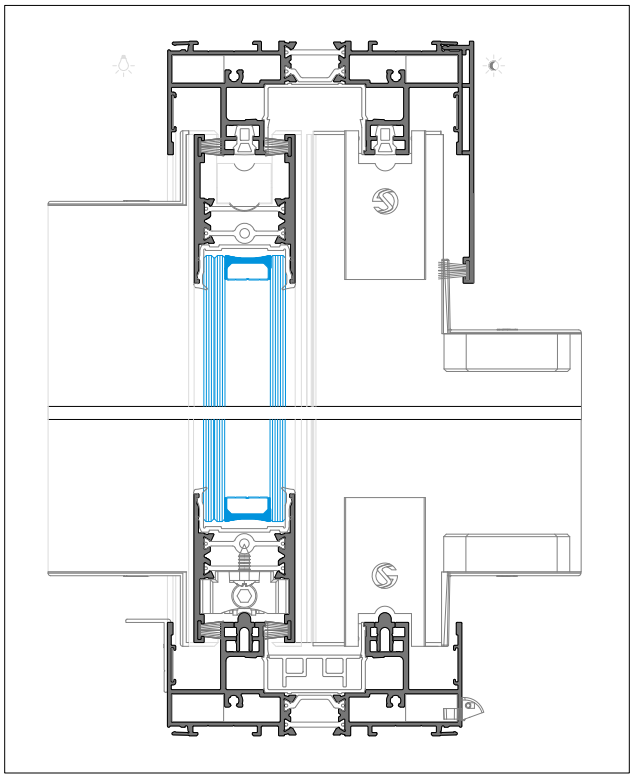





**212408** CONJ. TAMPAS LIG. 2F JT73/JT74 JT-JT SLIM

Aplicação dos Topos Centrais.
Central End-caps application.
Application des Embouts Centraux.

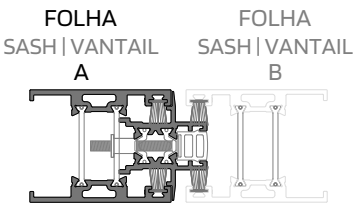


## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

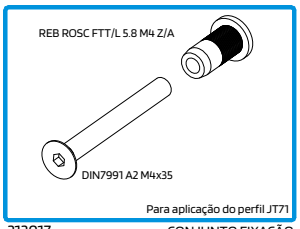
Montagem de tipologia de ligação 2 folhas - **FOLHA A.**
Assembly of 2 sashes connection typology - **A SASH**.
Assemblage d'une typologie de liaison centrale 2 vantaux - **VANTAIL A**.

Fixação dos perfis JT60 e JT71.
JT60 and JT71 fixation.
Fixation des profilés JT60 et JT71.

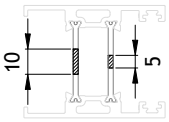


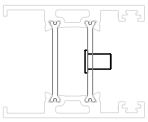

IMPORTANTE | IMPORTANT | IMPORTANT:

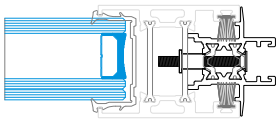
Colocar os rebites antes de se fazer o fecho das esquadrias da folha móvel.
**Utilizar no mínimo 4 conjuntos para fixação do perfil JT71.**
Place the rivets before closing the frames of the mobile sash.
**Use at least 4 sets for fixing the JT71 profile.**
Placer les rivets avant de fermer les cadres de la cadre ouvrant.
**Utiliser au moins 4 kit pour la fixation du profilé JT71.**

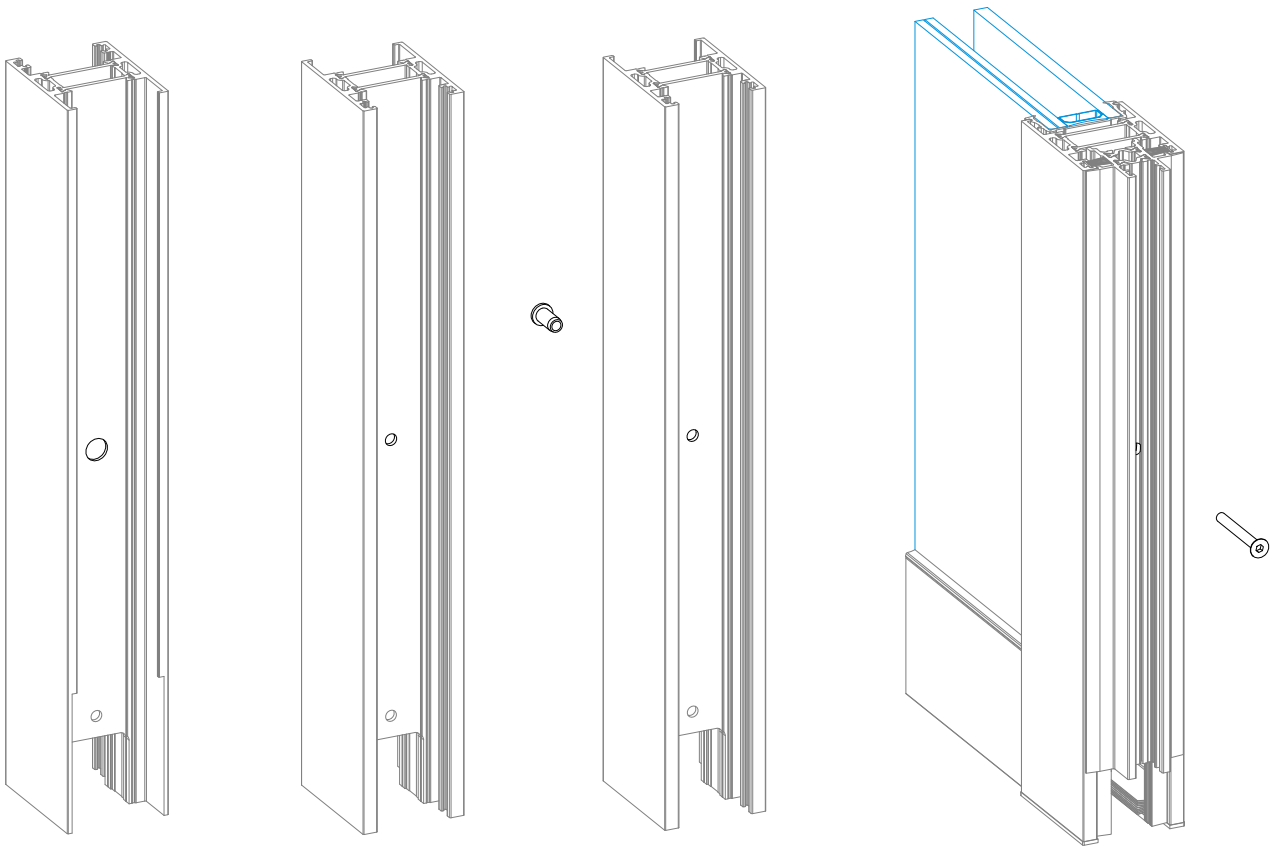


212017 CONJUNTO FIXAÇÃO FERRAGEM MÚLT.







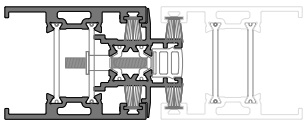
## MONTAGEM DOS PERFIS ARO MÓVEL JT-SLIM
JT-SLIM MOBILE FRAME PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS OUVRANT JT-SLIM

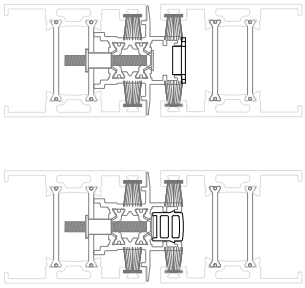
Montagem de tipologia de ligação 2 folhas - **FOLHA A.**
Assembly of 2 sashes connection typology - **A SASH**.
Assemblage d'une typologie de liaison centrale 2 vantaux - **VANTAIL A**.

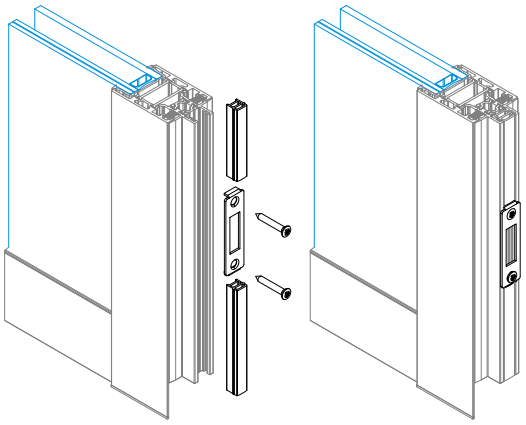
Colocar os contras-fechos na posição final e a junta tapa-canal 2117.
Place the locking plates in its final position and the 2117 channel cover joint.
Placer les contre-fermeture en position finale et le joint de couverture de canal 2117.

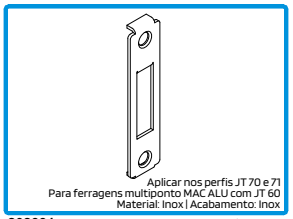
FOLHA
SASH | VANTAIL
A

FOLHA
SASH | VANTAIL
B



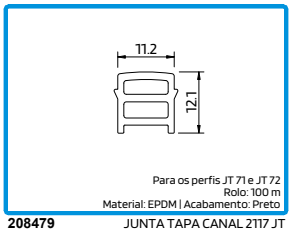






Aplicar nos perfis JT 70 e 71
Para ferragens multiponto MAC ALU com JT 60
Material: Inox | Acabamento: Inox

**202331** CONTRA-FECHO Nº2 2F/90º ALU

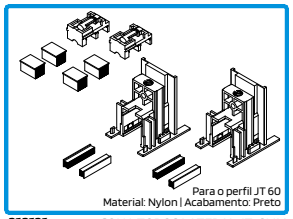



Para os perfis JT 71 e JT 72
Rolo: 100 m
Material: EPDM | Acabamento: Preto

**208479** JUNTA TAPA CANAL 2117 JT

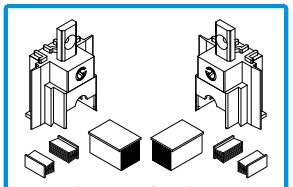
9.3 - Colocar a folha no vão.
Place the sash in the frame.
Placer la vantail dans le cadre.

9.4 - Por último, colocar o conjunto topos ligação 2 folhas JT.
At last, place the JT 2 sashes connection end-caps kit.
Dernièrement, placer le kit d'embouts de connexion 2 vantaux JT.



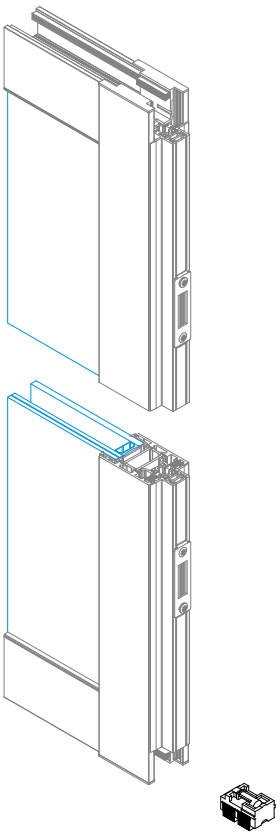
Para o perfil JT 60
Material: Nylon | Acabamento: Preto

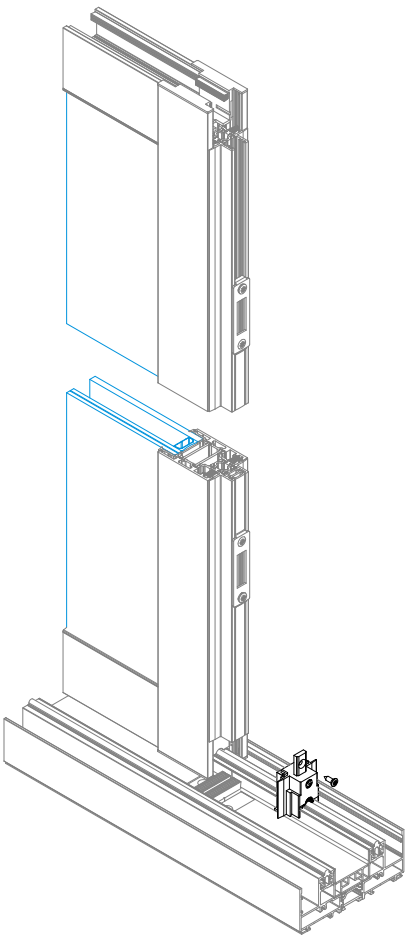
**212131** CONJ. TOPOS LATERAL JT-SLIM

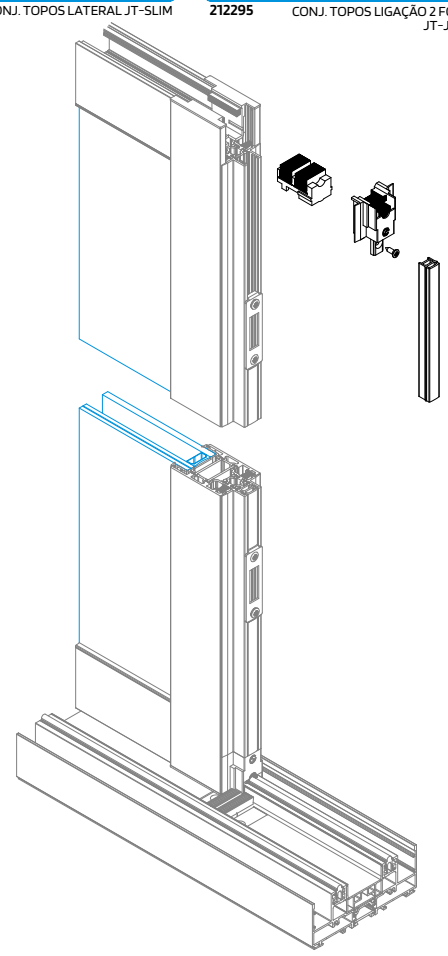


Para o perfil JT 71, na ligação de 2 folhas JT e JT-Slim
Material: Poliamida | Acabamento: Preto

**212295** CONJ. TOPOS LIGAÇÃO 2 FOLHAS JT-JT SLIM







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DATA | DATE | DATE: 28-10-2026