

# DS

sistema de portas com rutura térmica  
doors system with thermal break  
système de portes à rupture de pont thermique



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**APRESENTAÇÃO**  
PRESENTATION | PRÉSENTATION

**sistema de portas com rutura térmica**  
doors system with thermal break  
système de portes à rupture de pont thermique

Sistema arrojado de linhas retas, concebido especialmente para portas de entrada de grandes dimensões, que permite tipologias de 1 ou 2 folhas de aberturas de batente para soluções mais tradicionais ou pivotantes para soluções mais modernas.

É um sistema versátil, com uma variedade de acessórios que permite ter abertura manual ou automática, garantindo segurança e funcionalidade.

Quer na vertente de porta apainelada com isolamento térmico no seu interior, quer na vertente de porta envidraçada, o sistema foi estudado para garantir excelentes prestações térmicas e acústicas, respondendo às exigências atuais do mercado.

A bold system with straight lines, specially designed for large entrance doors, with 1 or 2 sashes, with hinged openings for more traditional solutions or pivoting openings for modern solutions.

It's a versatile system with a wide range of accessories that can be opened manually or automatically, guaranteeing safety and functionality.

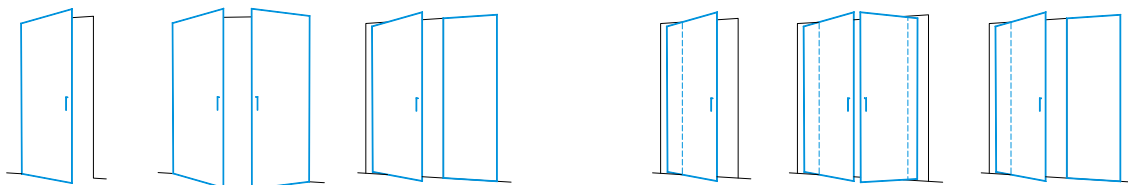
Whether as a panelled door with thermal insulation on the inside or as a glazed door, the system has been designed to guarantee excellent thermal and acoustic performance in response to current market requirements.

Système audacieux aux lignes droites, conçu spécialement pour les portes d'entrée de grandes dimensions, qui permet de réaliser des portes à 1 ou 2 vantaux avec des ouvertures à battant pour des solutions plus traditionnelles ou des ouvertures pivotantes pour des solutions plus modernes.

Il s'agit d'un système polyvalent, doté d'une variété d'accessoires, qui peut s'ouvrir manuellement ou automatiquement. Il assure ainsi à la fois la sécurité et la fonctionnalité.

Qu'il s'agisse d'une porte à panneaux avec isolation thermique à l'intérieur ou d'une porte vitrée, le système a été conçu pour garantir d'excellentes performances thermiques et acoustiques, répondant ainsi aux exigences actuelles du marché.

<b>APRESENTAÇÃO</b> PRESENTATION   PRÉSENTATION	reta   straight   droite
<b>DIMENSÕES</b> DIMENSIONS   DIMENSIONS	aros fixos   fixed frames   cadre dormant 91.5mm aros móveis   mobile frames   cadre ouvrant 91.5mm
<b>ENCHIMENTO</b> FILLING   REMPLISSAGE	26mm a 60mm (vidro)   (glass   verre) Interior (máximo) 75mm   inside (maximum)   intérieur (maximum) 3 a 4 mm (apainelados)   (panels   panneaux)
<b>CORTES</b> CUTS   COUPES	45° - Aro móvel   Mobile frame   Ouvrant 90° - Aro fixo   Fixed frame   Dormant 45° - Aro fixo de tipologias batente   Fixed frame of hinged typologies   Dormant des typologies à frappe)
<b>VEDAÇÃO</b> INSULATION   ÉTANCHÉITÉ	Juntas em EPDM EPDM joints   Joint en EPDM
<b>PESO MÁXIMO</b> MAXIMUM WEIGHT   POIDS MAXIMAL	500kg/folha   sash   vantail
<b>ALTURA MÁXIMA</b> MAXIMUM HEIGHT   HAUTEUR MAXIMALE	3000mm/folha - Para medidas superiores, consultar o Departamento Técnico 3000mm/sash - Other dimensions, consult the Technical Department 3000mm/vantail - Autres dimensions, consulter le Département Technique
<b>LARGURA MÁXIMA</b> MAXIMUM WIDTH   LARGEUR MAXIMALE	1400mm - Para medidas superiores, consultar o Departamento Técnico 1400mm - Other dimensions, consult the Technical Department 1400mm - Autres dimensions, consulter le Département Technique
<b>ACABAMENTOS</b> FINISHES   FINITIONS	Lacados   Anodizados   Bicolores Powder coated   Anodised   Bicolour Laqué   Anodisé   Bicouleur



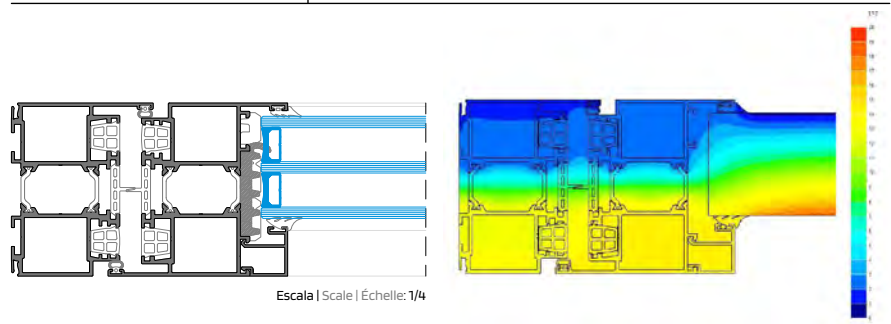
Todas as medidas são consideradas em mm, salvo as devidamente identificadas

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

	Porta pivotante 1 folha com 1,490m x 2,990m 1 sash pivoting door with 1,490m x 2,990m Porte pivotante à 1 vantail avec 1,490m x 2,990m <b>Ensaio CXL156/25 - ITeCons</b>
Permeabilidade ao AR AIR Permeability   Permeabilité à l'AIR EN 12 207:2000	<b>4</b>
Estanquidade à ÁGUA WATER Tightness   Étanchéité à l'EAU EN 12 208:2000	<b>4A</b>
Resistência ao VENTO WIND Resistance   Résistance ao VENT EN 12 210:2000	<b>C3</b>

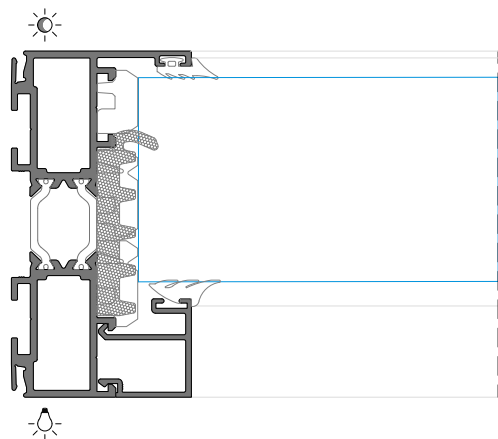
Coef. Transm. TÉRMICA THERMAL Transmittance Coef. Transm. THERMIQUE ISO 10077-1:2017 ISO 10077-2:2017	<b>Uw = 1,58 W/m²K</b> Ug vidro   glass   verre = 1,00 W/m²K Porta pivotante de 1 folha com 1,50m x 2,90m (LxH) (1 pivoting sash door   Porte pivotante à 1 vantail)
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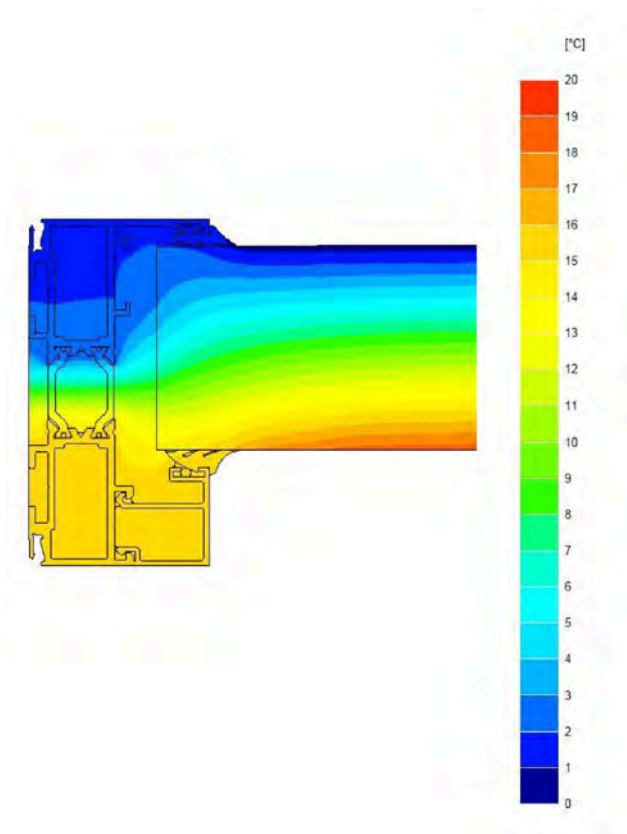
## Desempenho térmico do sistema

Thermal system performance | Performance thermique du système

- Aro fixo  
Fixed frame | Cadre dormant



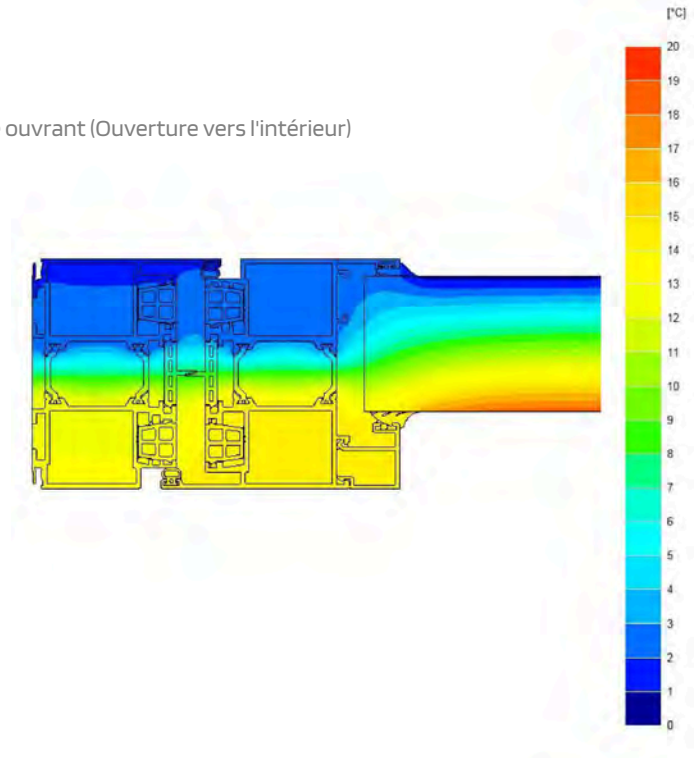
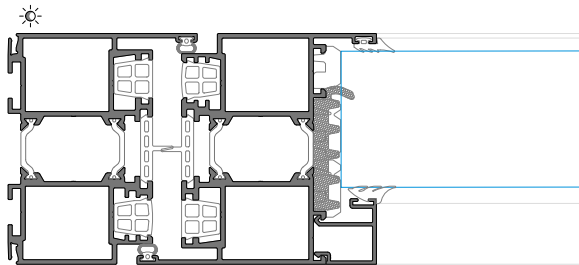
**DS 01**  
**w = 0,0476 m**  
**Uf = 2,937 W/(m²K)**



**Desempenho térmico do sistema**

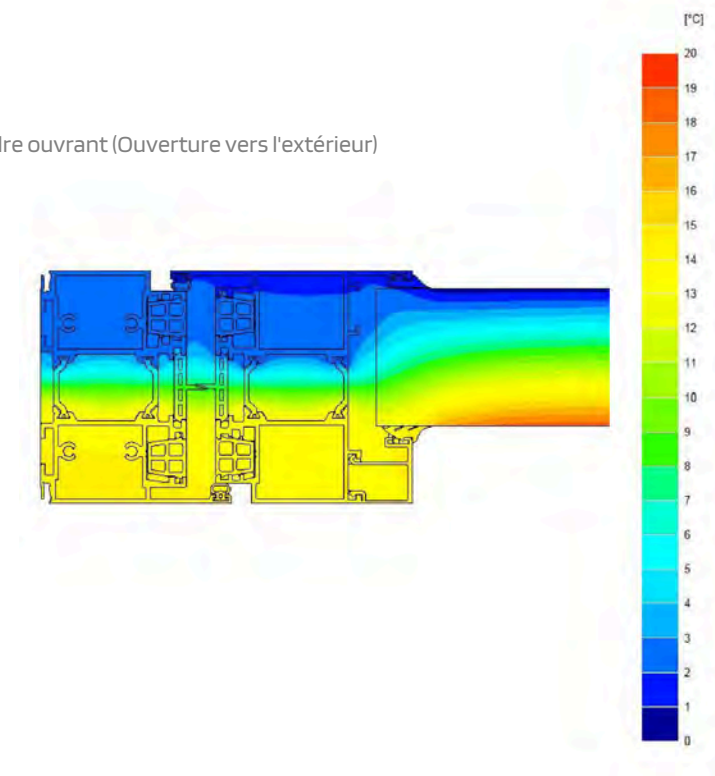
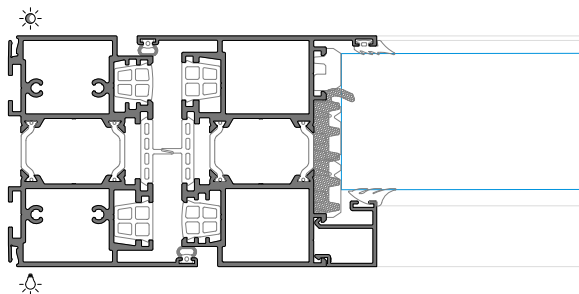
Thermal system performance | Performance thermique du système

- Aro Fixo + Aro móvel (Abertura para interior)  
Fixed frame + Mobile frame (Inward opening) | Cadre fixe + Cadre ouvrant (Ouverture vers l'intérieur)



**DS 07 + DS 11**  
**w = 0,1461 m**  
**Uf = 2,845 W/(m²K)**

- Aro Fixo + Aro móvel (Abertura para exterior)  
Fixed Frame + Mobile frame (Outward opening) | Cadre fixe + Cadre ouvrant (Ouverture vers l'extérieur)

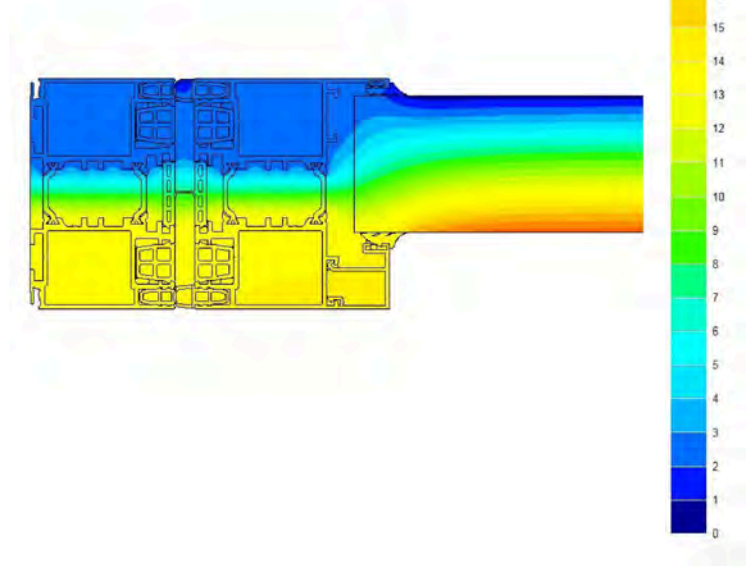
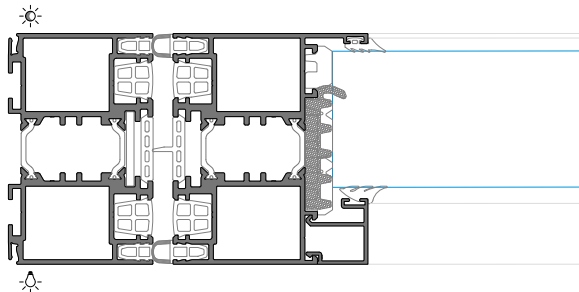


**DS 06 + DS 12**  
**w = 0,1461 m**  
**Uf = 2,870 W/(m²K)**

**Desempenho térmico do sistema**

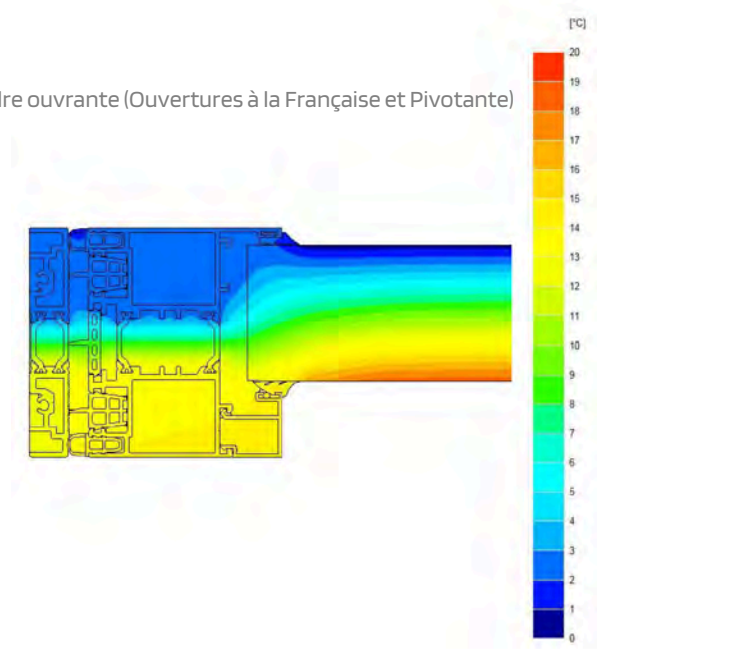
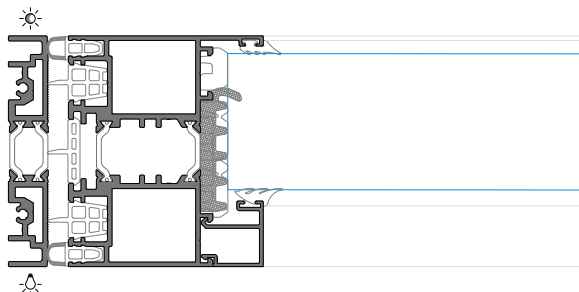
Thermal system performance | Performance thermique du système

- **Padieira + Aro móvel (Abertura Pivotante)**  
Jamb + Mobile frame (Pivoting opening) | Jambage + Cadre ouvrante (Ouverture Pivotante)



**DS 04 + DS 13**  
**w = 0,1426 m**  
**Uf = 2,928 W/(m²K)**

- **Soleira + Aro móvel (Aberturas Batente e Pivotante)**  
Sill + Mobile frame (Casement and pivoting openings) | Seuil + Cadre ouvrante (Ouvertures à la Française et Pivotante)

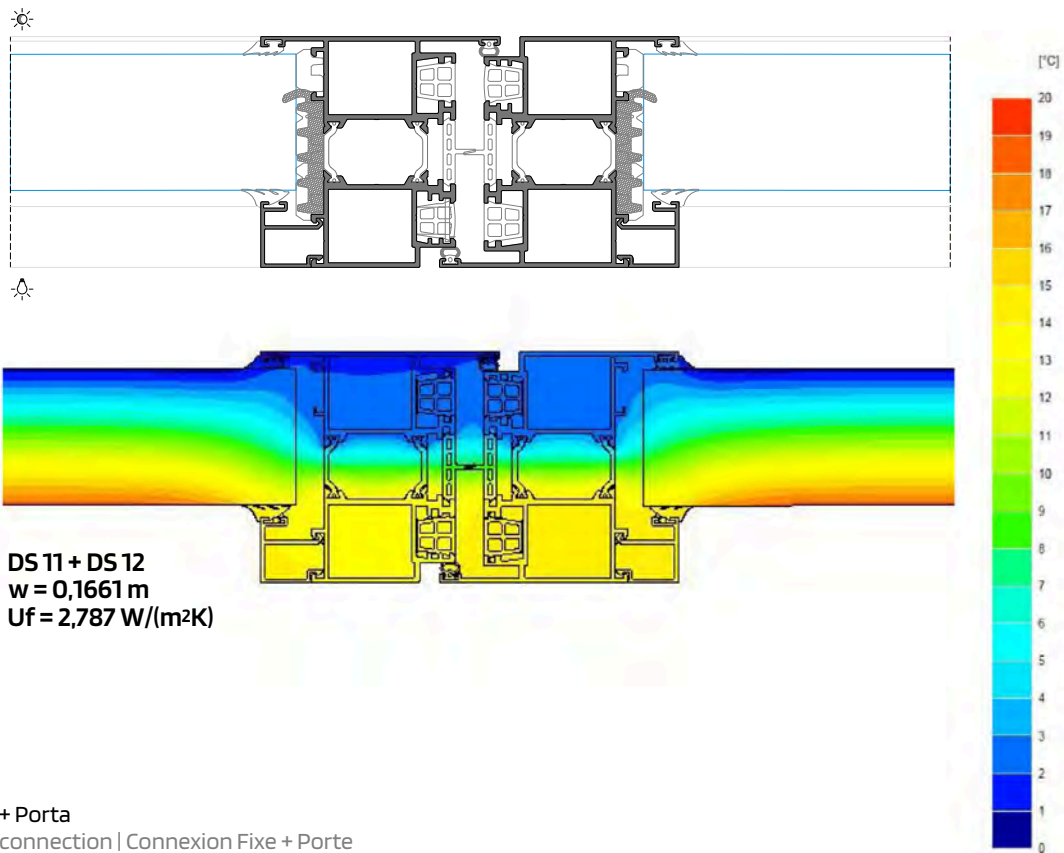


**DS 49 + DS 13**  
**w = 0,1010 m**  
**Uf = 2,888 W/(m²K)**

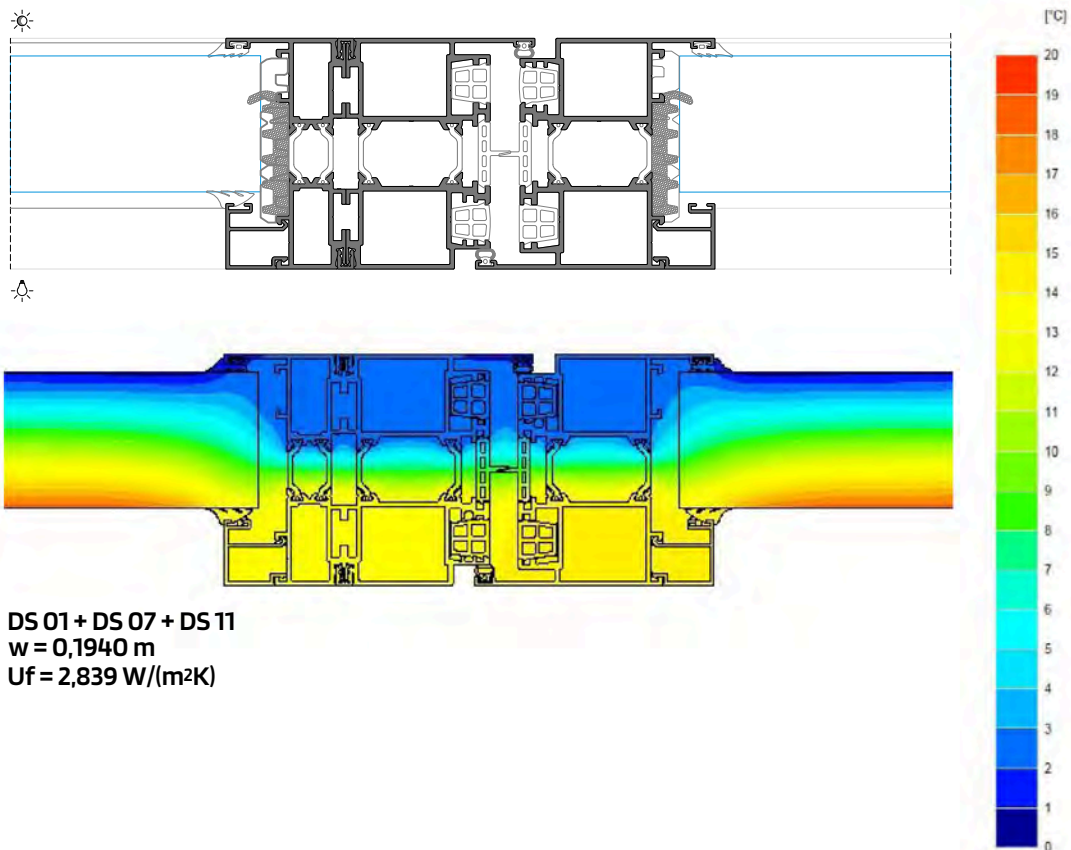
**Desempenho térmico do sistema**

Thermal system performance | Performance thermique du système

- Aro móvel + Batente (Abertura para interior)  
Mobile frame + Inverter (Inward opening) | Cadre ouvrant + Battant (Ouverture vers l'intérieur)

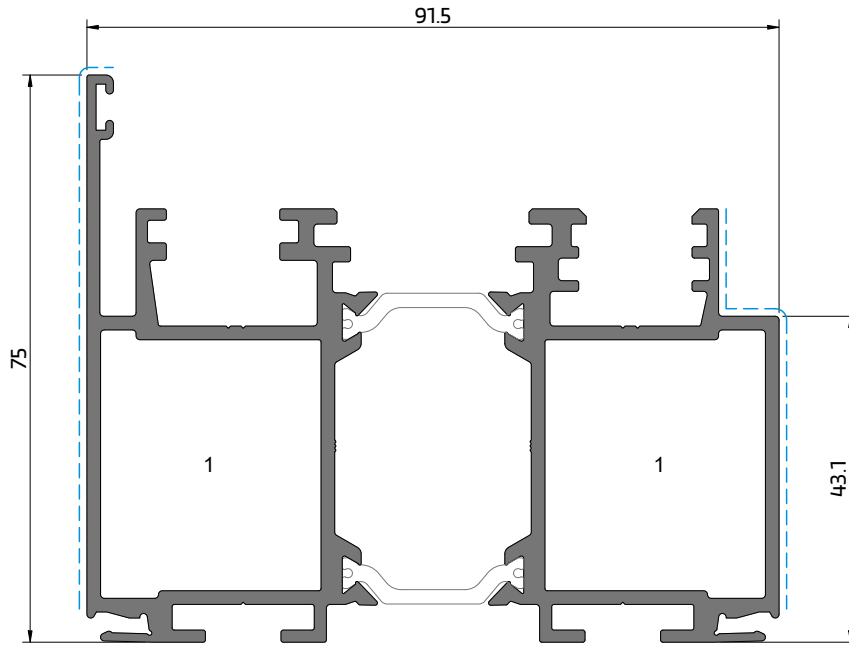


- Ligação Fixo + Porta  
Fixed + Door connection | Connexion Fixe + Porte





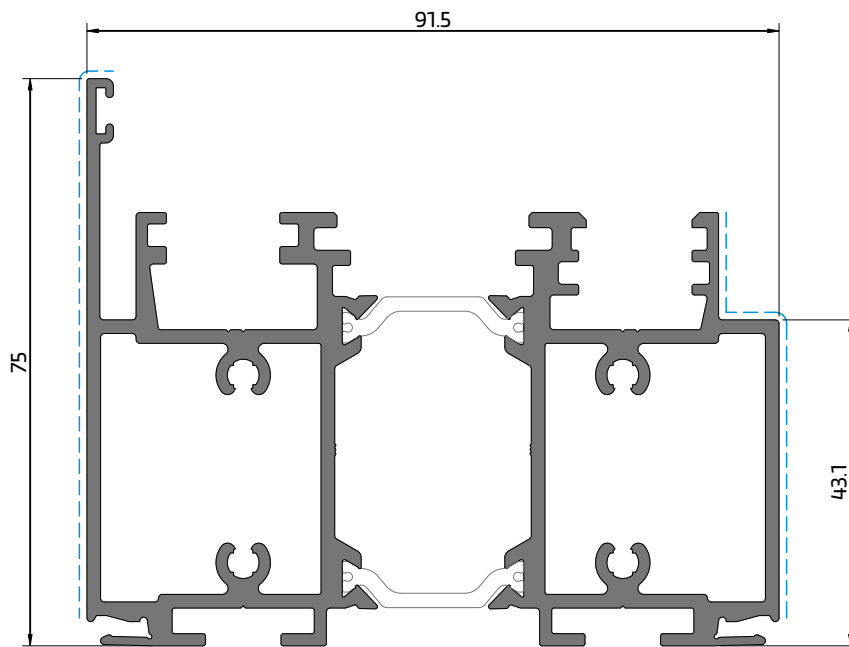
**LISTAGEM DE PERFIS**  
PROFILES LIST | LIST DES PROFILÉS



**DS 07**

**Aro fixo e móvel renovatio**

Renovatio fixed and mobile frame | Cadre dormant et ouvrant renovatio



**DS 06**

**Aro fixo renovatio**

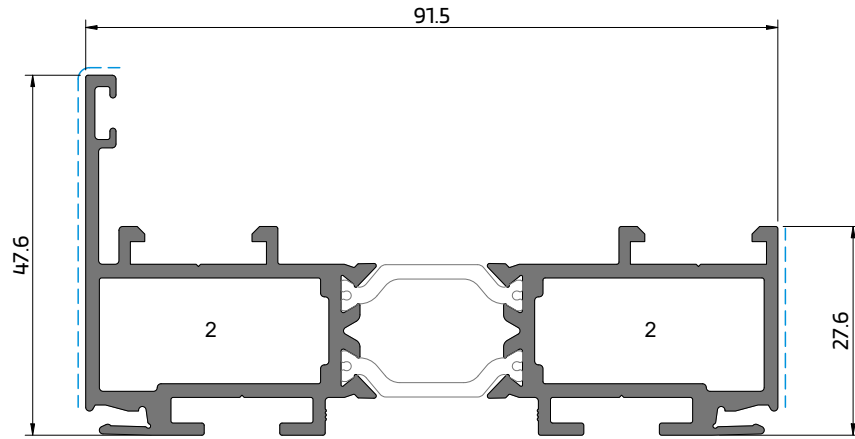
Renovatio fixed frame | Cadre dormant renovatio

Treatmento de superficie | Surface treatment | Traitement de surface  
PB | PM | EF | EM    PB | EF | EM    PB | PM | EM    PB

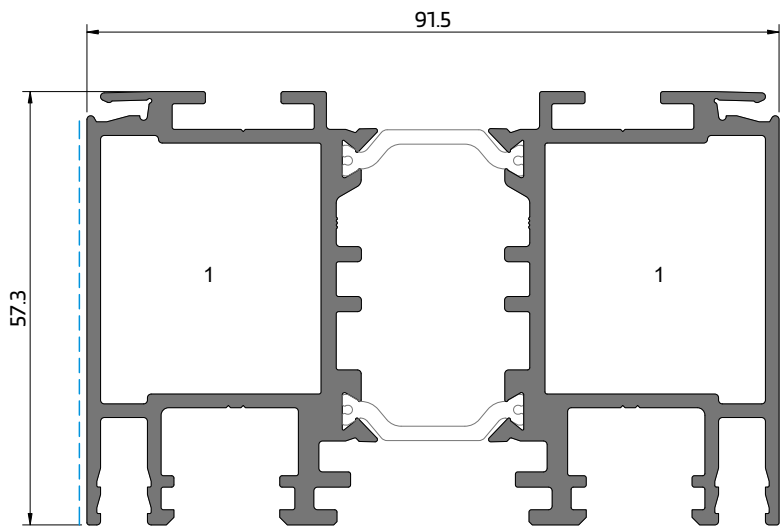
Para mais informações, consultar Catálogo de Cores Anodizadas  
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

1 - ESQUADRO | BRACKET | EQUËRRE DS GRANDE 2933-D

2 - ESQUADRO | BRACKET | EQUËRRE DS 2914-D



**DS 01**  
Aro fixo renovatio  
Renovatio fixed frame | Cadre dormant renovatio



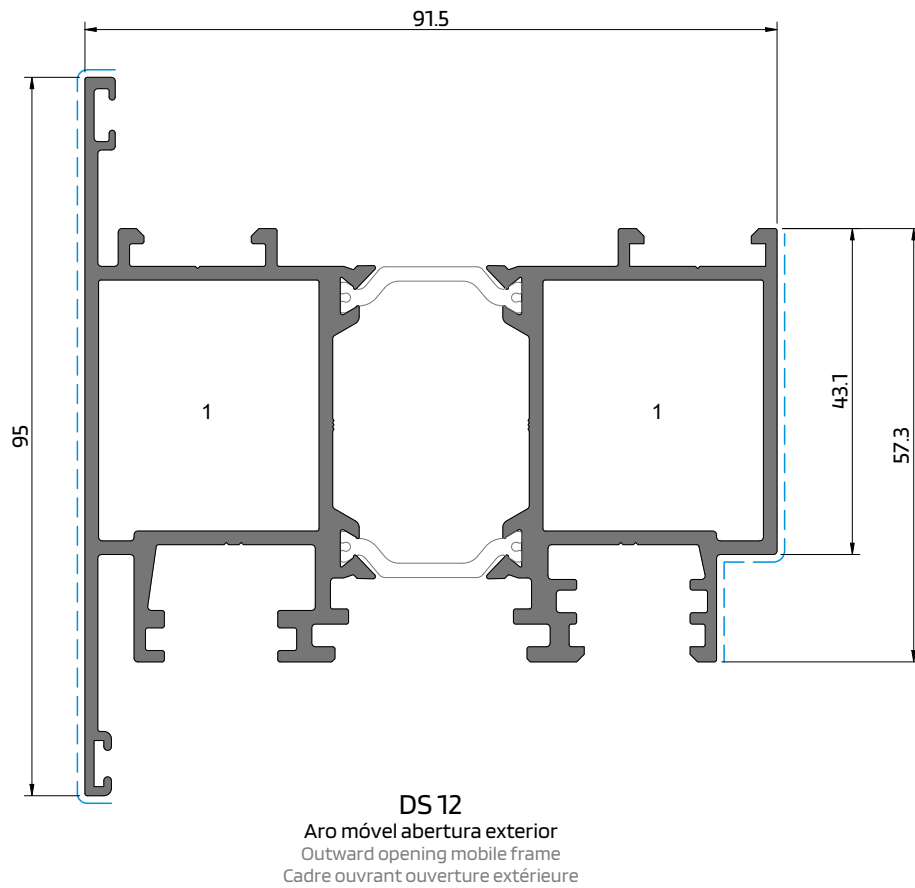
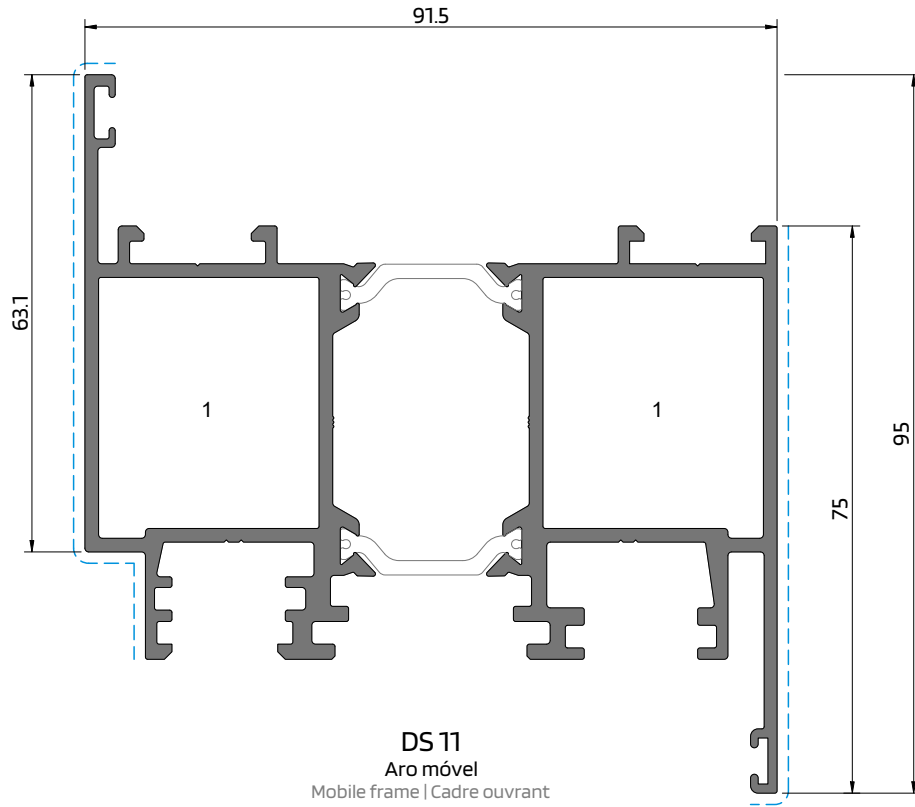
**DS 04**  
Padieira / Travessa  
Door lintel / Transom | Linteau / Traverse

1 - ESQUADRO | BRACKET | EQUËRRE DS GRANDE 2933-D

2 - ESQUADRO | BRACKET | EQUËRRE DS 2914-D

Treatmento de superficie | Surface treatment | Traitement de surface  
PB | PM | EF | EM PB | PM | EF | EM PB | PM | EF | EM PB | PM | EF | EM PB

Para mais informaçoēs, consultar Catálogo de Cores Anodizadas  
For further information, consult the Anodised Colours Catalogue | Pour plus d'informaitions, veuillez consulter le Catalogue des Couleurs Anodisées

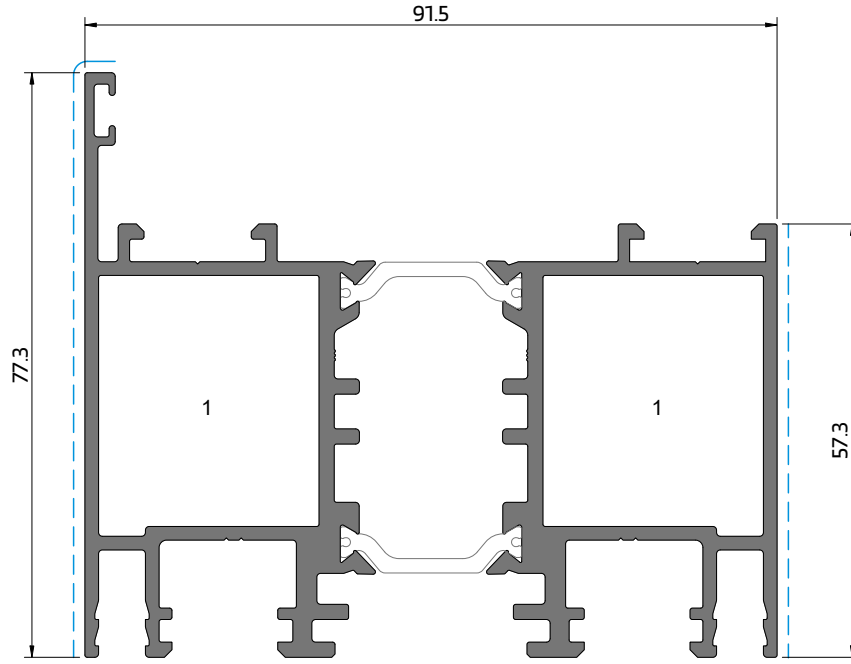


1 - ESQUADRO | BRACKET | EQUÉRRE DS GRANDE 2933-D

2 - ESQUADRO | BRACKET | EQUÉRRE DS 2914-D

Treatamento de superfície | Surface treatment | Traitement de surface  
PB | PM | EF | EM PB | EF | EM PB | PM | EM PB

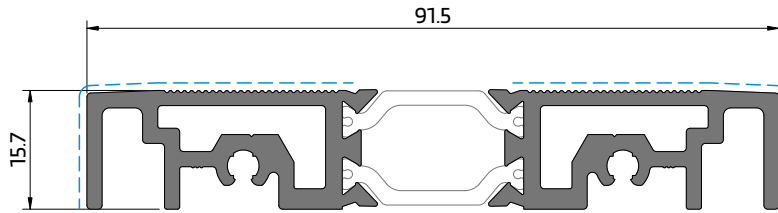
Para mais informações, consultar Catálogo de Cores Anodizadas  
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



**DS 13**

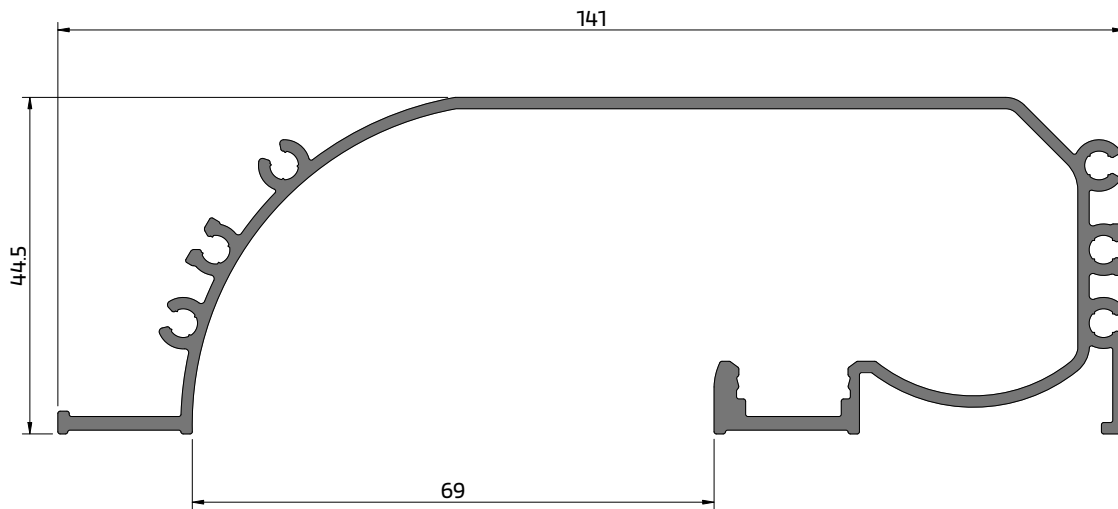
Perfil móvel superior/inferior

Top/bottom mobile profile | Cadre ouvrant supérieur/inférieur



**DS 49**

Soleira  
Sill | Seuil



**SO 81**

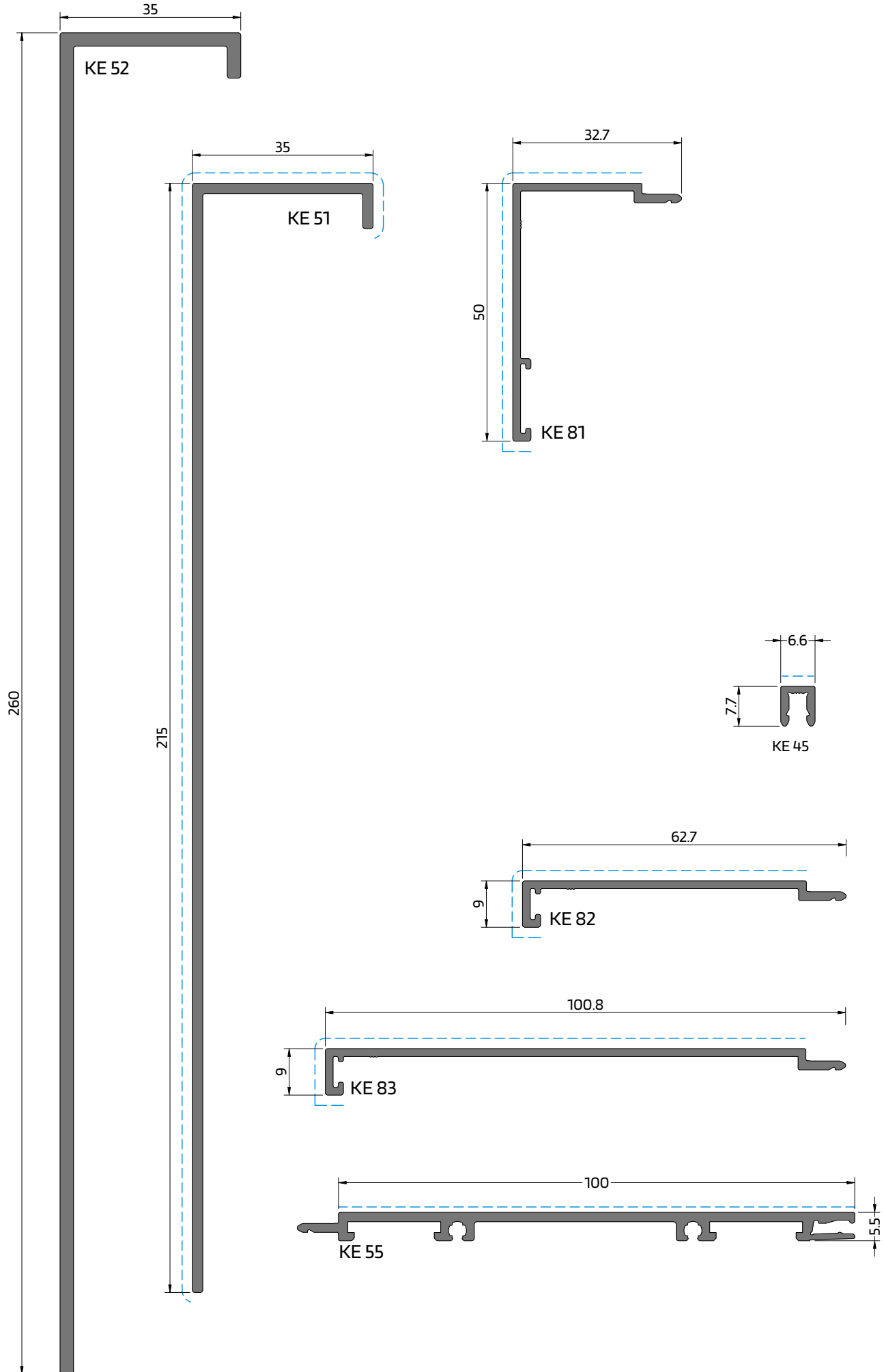
Puxador Embutido  
Built-in handle | Poignée intégrée

1 - ESQUADRO | BRACKET | EQUËRRE DS GRANDE 2933-D

2 - ESQUADRO | BRACKET | EQUËRRE DS 2914-D

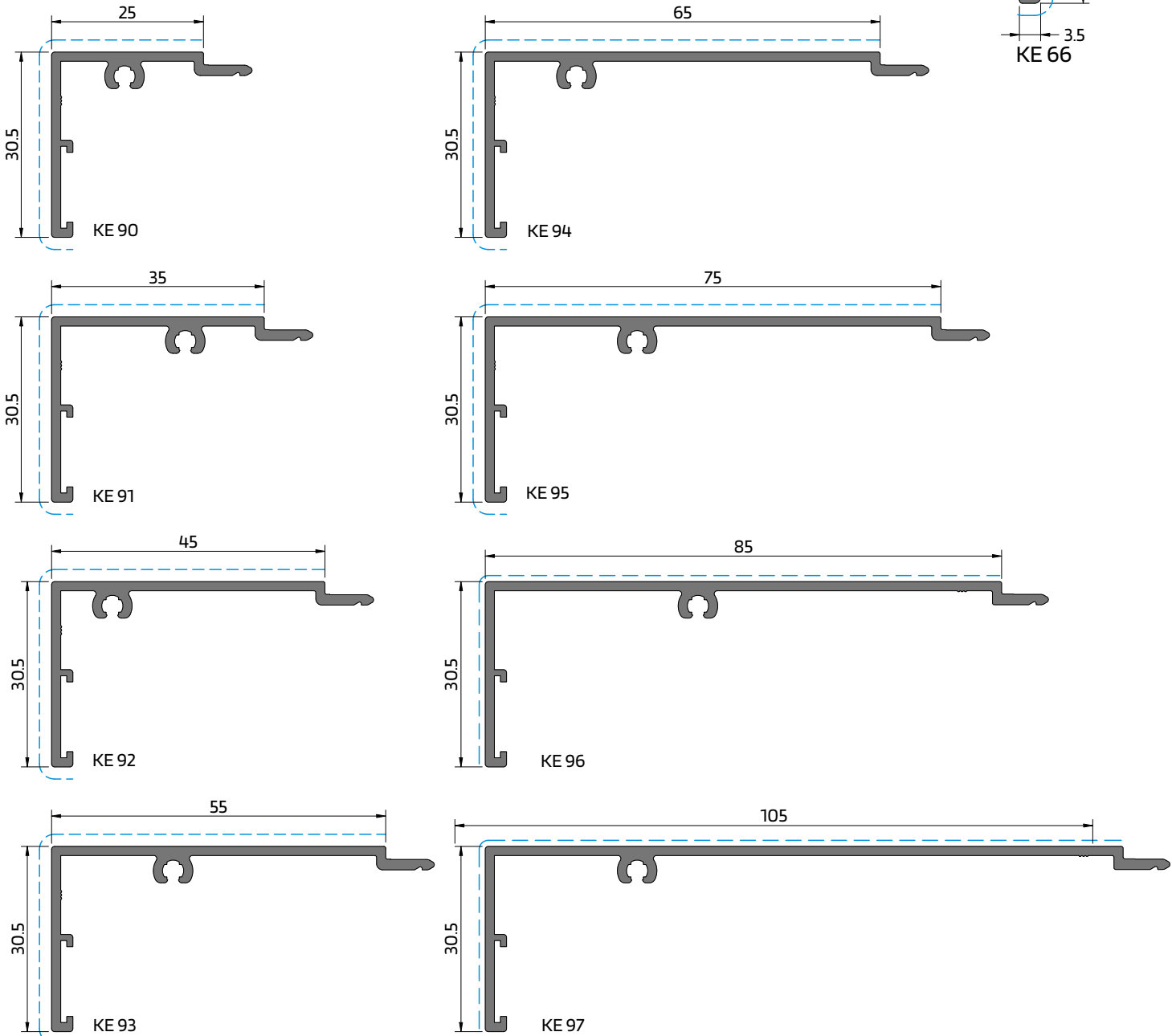
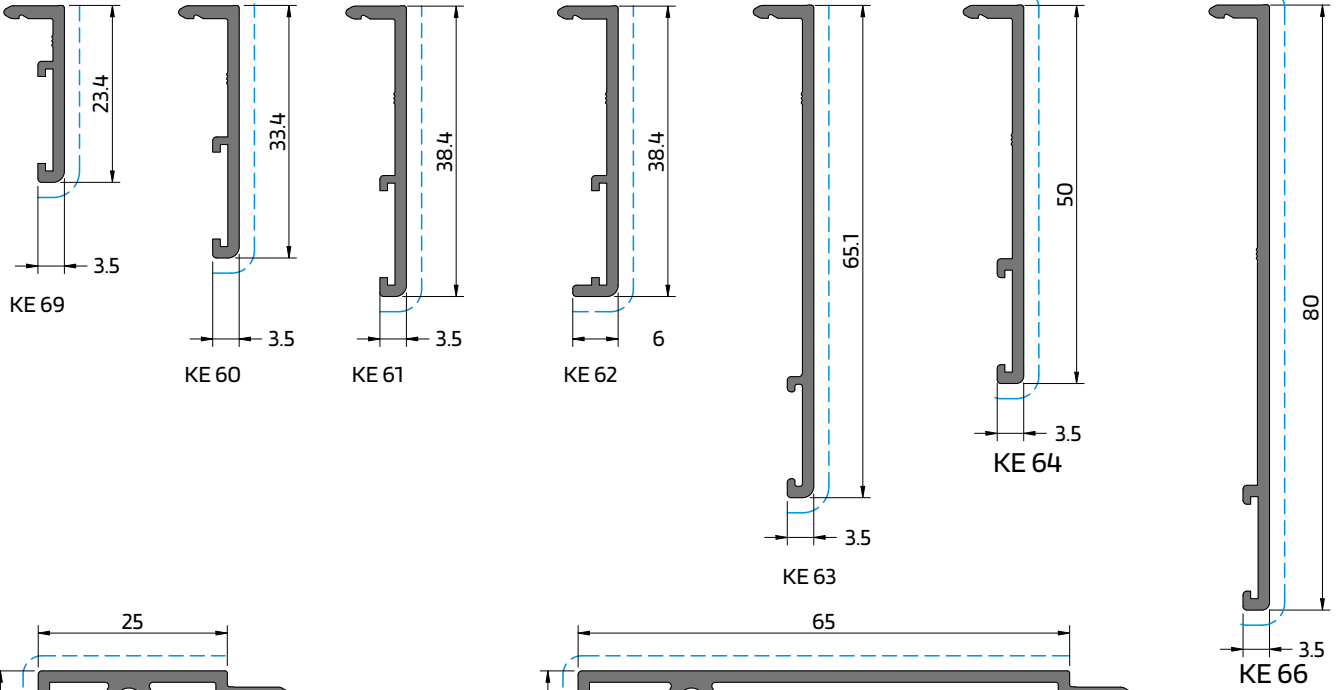
Treatmento de superfície | Surface treatment | Traitement de surface  
PB | PM | EF | EM PB | EF | EM PB | PM | EM PB | PM | EM

Para mais informações, consultar Catálogo de Cores Anodizadas  
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



Treatmento de superfície | Surface treatment | Traitement de surface  
 — PB | PM | EM — PB | EF | EM - - - PB | PM | EM — PB | PM | EM

Para mais informações, consultar Catálogo de Cores Anodizadas  
 For further information, consult the Anodised Colours Catalogue. | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées.



Treatmento de superfície | Surface treatment | Traitement de surface  
PB | PM | EF | EM PB | PM | EF | EM PB | PM | EM PB | PM | EM

Para mais informações, consultar Catálogo de Cores Anodizadas  
For further information, consult the Anodised Colours Catalogue | Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

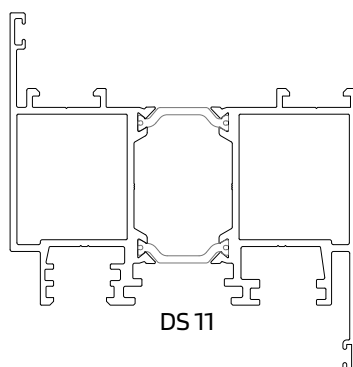
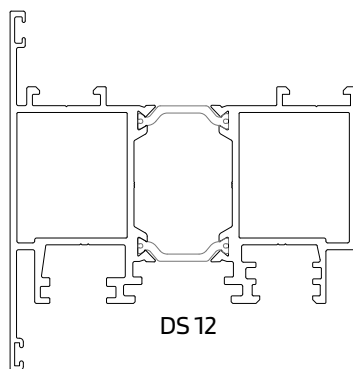
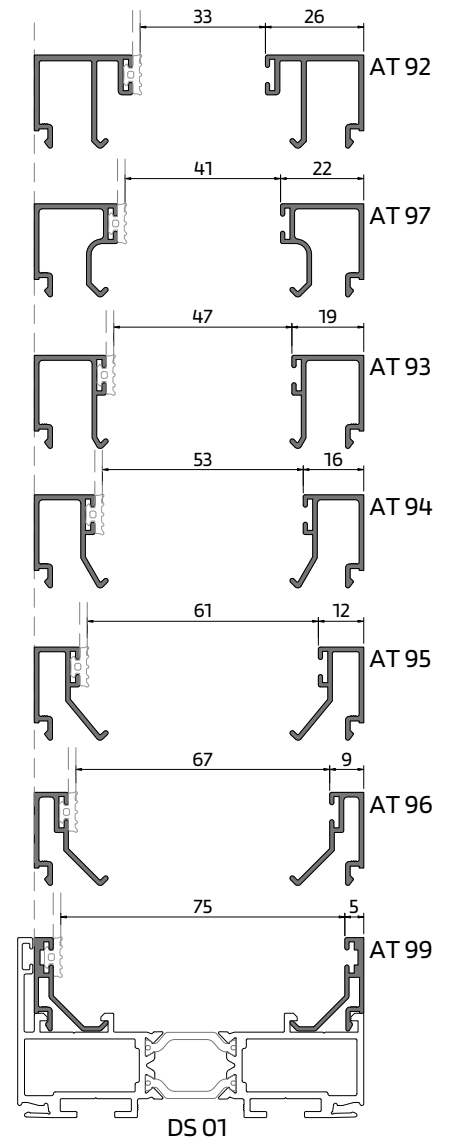
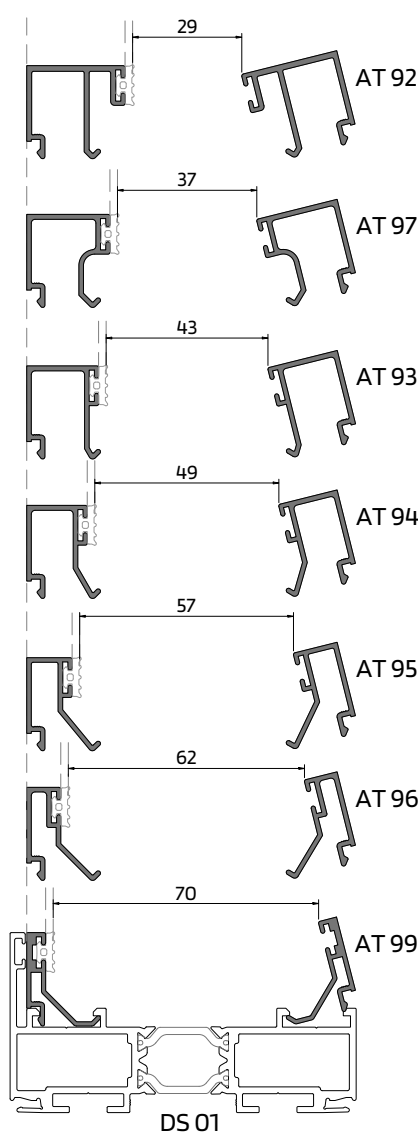
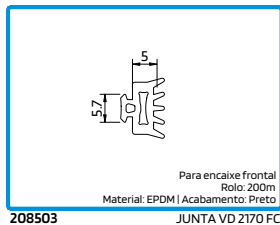
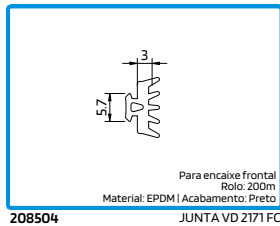
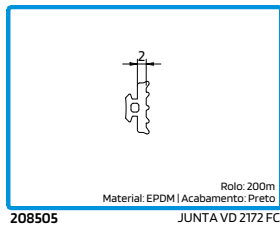
## TABELA ORIENTATIVA DE BITES APLICADOS EM AMBOS OS LADOS

SCHEDULE FOR GLAZING BEADS APPLIED ON BOTH SIDES

TABLE DES PARCLOSES APPLIQUÉS DES DEUX CÔTÉS

Com a utilização do vedante VD 2172

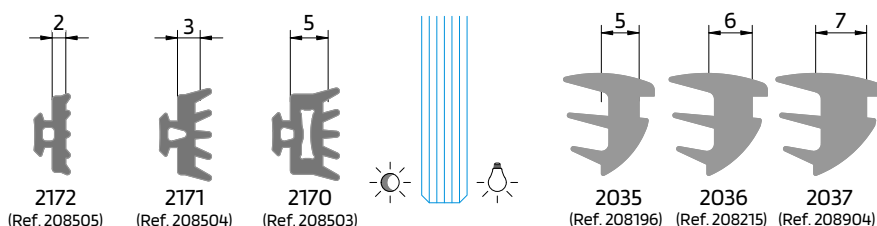
With the use of VD 2172 sealant  
Avec l'utilisation du joint VD 2172



## TABELA ORIENTATIVA DE BITES APLICADOS EM AMBOS OS LADOS

SCHEDULE FOR GLAZING BEADS APPLIED ON BOTH SIDES

TABLE DES PARCLOSES APPLIQUÉS DES DEUX CÔTÉS



O Grupo Sosoares aconselha sempre a utilização do mesmo Bite no interior e no exterior

The Sosoares Group always recommends using the same Glazing bead both inside and outside

Le groupe Sosoares recommande toujours d'utiliser le même Parclose à l'intérieur comme à l'extérieur.

BITES RETOS EXTERIORES OUTER STRAIGHT GLAZING BEADS PARCLOSES DROITES EXTÉRIEURES	VEDANTE EXTERIOR OUTER GASKET JOINT EXTÉRIEUR	ESPESSURA DO VIDRO GLASS THICKNESS ÉPAISSEUR DU VERRE	VEDANTE INTERIOR INNER GASKET JOINT INTÉRIEUR	BITES RETOS INTERIORES INNER STRAIGHT GLAZING BEADS PARCLOSES DROITES INTÉRIEURES
AT 97	2170	32	2037	AT 97
AT 97	2170	33	2036	AT 97
AT 97	2171	34	2037	AT 97
AT 97	2172	35	2037	AT 97
AT 97	2172	36	2036	AT 97
AT 93	2170	38	2037	AT 93
AT 93	2170	39	2036	AT 93
AT 93	2171	40	2037	AT 93
AT 93	2172	41	2037	AT 93
AT 93	2172	42	2036	AT 93
AT 94	2170	44	2037	AT 94
AT 94	2170	45	2036	AT 94
AT 94	2171	46	2037	AT 94
AT 94	2172	47	2037	AT 94
AT 94	2172	48	2036	AT 94
AT 95	2170	52	2037	AT 95
AT 95	2170	53	2036	AT 95
AT 95	2171	54	2037	AT 95
AT 95	2172	55	2037	AT 95
AT 95	2172	56	2036	AT 95
AT 96	2170	58	2037	AT 96
AT 96	2170	59	2036	AT 96
AT 96	2171	60	2037	AT 96

Com outro tipo de enchimento, é possível atingir espessuras até às seguintes:

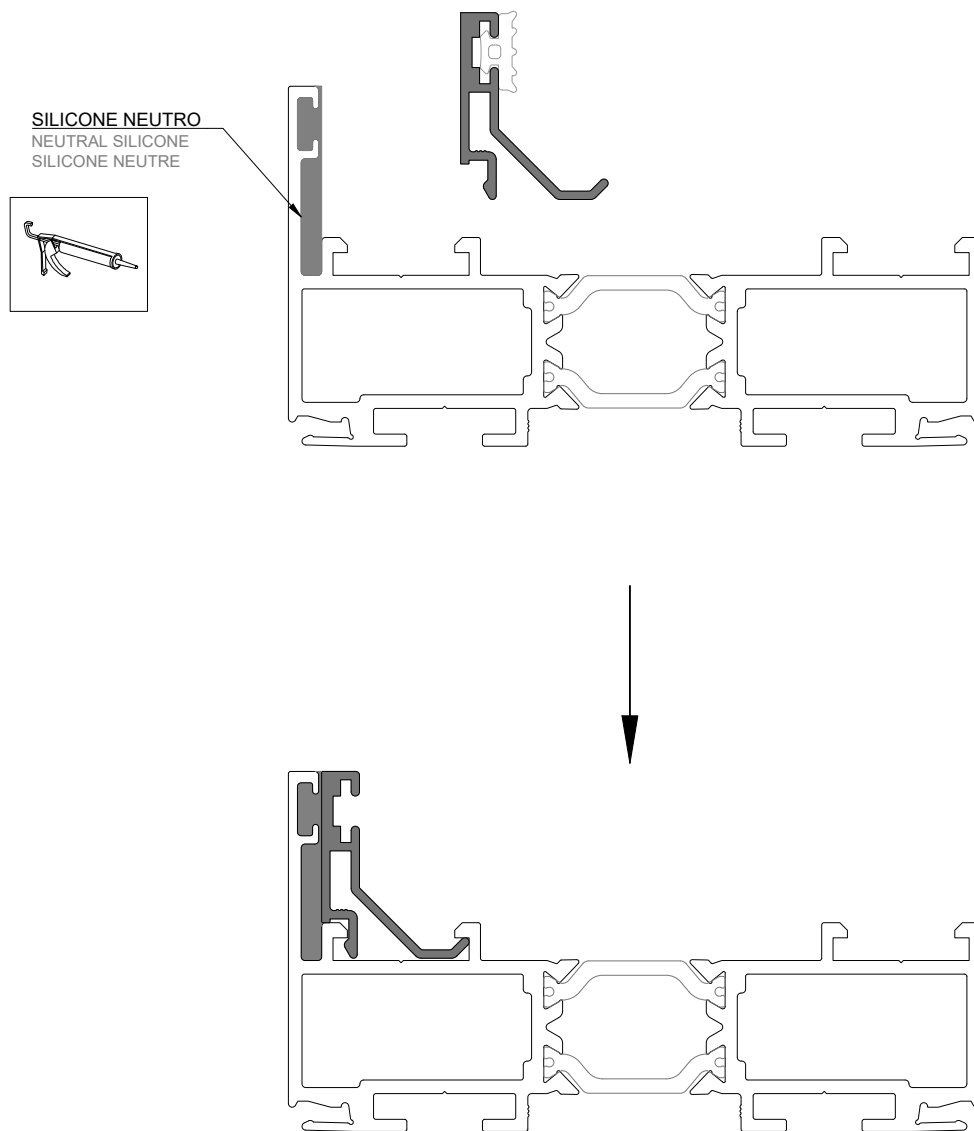
With other types of filling, it is possible to achieve thicknesses up to the following:

Avec un autre type de remplissage, il est possible d'atteindre les épaisseurs suivantes :

BITES RETOS EXTERIORES OUTER STRAIGHT GLAZING BEADS PARCLOSES DROITES EXTÉRIEURES	VEDANTE EXTERIOR OUTER GASKET JOINT EXTÉRIEUR	ENCHIMENTO FILLING REMPLISSAGE	VEDANTE INTERIOR INNER GASKET JOINT INTÉRIEUR	BITES RETOS INTERIORES INNER STRAIGHT GLAZING BEADS PARCLOSES DROITES INTÉRIEURES
AT 96	2172	61	2037	AT 96
AT 96	2172	62	2036	AT 96
AT 99	2170	66	2037	AT 99
AT 99	2170	67	2036	AT 99
AT 99	2171	68	2037	AT 99
AT 99	2172	69	2037	AT 99
AT 99	2172	70	2036	AT 99

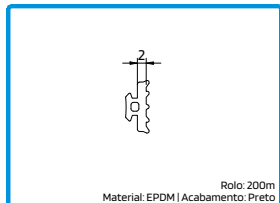
**APLICAÇÃO DE SILICONE NEUTRO NOS PERFIS DS 01, DS 11, DS 12 e DS 13**  
APPLICATION OF NEUTRAL SILICONE ON PROFILES DS 01, DS 11, DS 12 and DS 13  
APPLICATION DE SILICONE NEUTRE SUR LES PROFILÉS DS 01, DS 11, DS 12 ET DS 13

Antes de se colocar o bite exterior, preencher a câmara do vão com silicone, a toda a volta.  
Before inserting the glazing bead, fill the gap chamber with silicone all around.  
Avant d'insérer la parclose, remplissez tout le pourtour de la chambre vide avec du silicone.

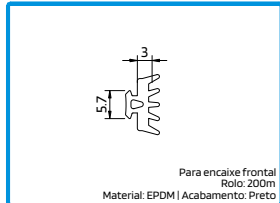


**TABELA ORIENTATIVA DE BITES APLICADOS APENAS NO INTERIOR**  
SCHEDULE FOR GLAZING BEADS APPLIED ONLY TO THE INTERIOR  
TABLE DES PARCLOSES APPLIQUÉS UNIQUEMENT À L'INTÉRIEUR

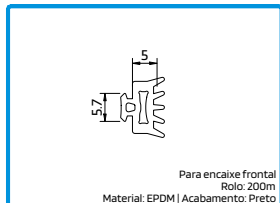
Com a utilização do vedante VD 2172  
With the use of VD 2172 sealant  
Avec l'utilisation du joint VD 2172



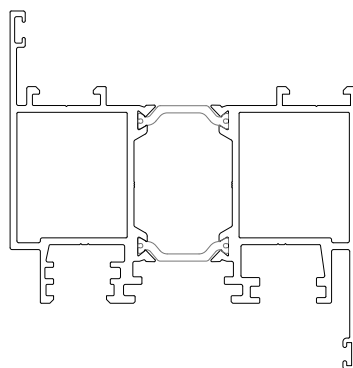
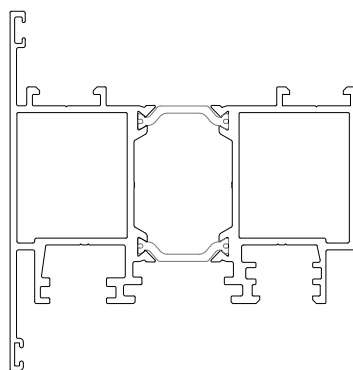
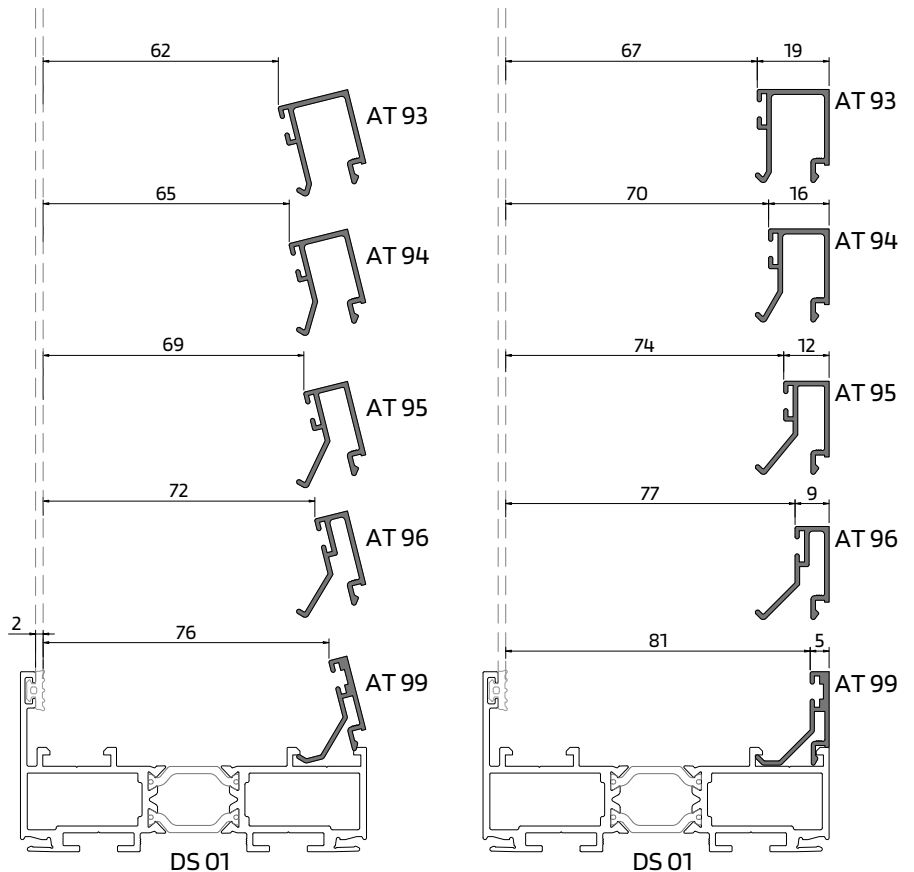
Rolo: 200m  
Material: EPDM | Acabamento: Preto  
**208505** JUNTA VD 2172 FC



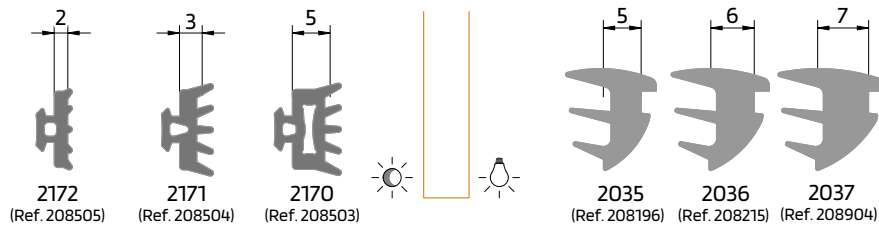
Para encaixe frontal  
Rolo: 200m  
Material: EPDM | Acabamento: Preto  
**208504** JUNTA VD 2171 FC



Para encaixe frontal  
Rolo: 200m  
Material: EPDM | Acabamento: Preto  
**208503** JUNTA VD 2170 FC



**TABELA ORIENTATIVA DE BITES APLICADOS APENAS NO INTERIOR**  
SCHEDULE FOR GLAZING BEADS APPLIED ONLY TO THE INTERIOR  
TABLE DES PARCLOSES APPLIQUÉS UNIQUEMENT À L'INTÉRIEUR



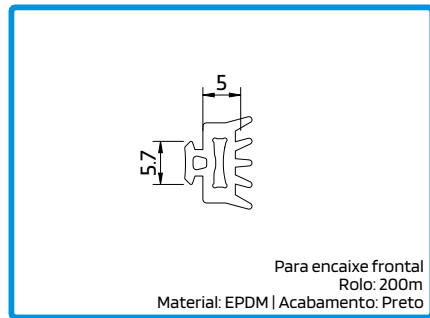
Com outro tipo de enchimento, é possível atingir espessuras até às seguintes:  
With other types of filling, it is possible to achieve thicknesses up to the following:  
Avec un autre type de remplissage, il est possible d'atteindre les épaisseurs suivantes :

VEDANTE EXTERIOR OUTER GASKET JOINT EXTERIEUR	ENCHIMENTO FILLING REPLISSAGE	VEDANTE INTERIOR INNER GASKET JOINT INTERIEUR	BITES RETOS INTERIORES INNER STRAIGHT GLAZING BEADS PARCLOSES DROITES INTERIEURES
2172	61	2037	AT 93
2172	62	2036	AT 93
2171	63	2036	AT 94
2171	64	2035	AT 94
2172	65	2035	AT 94
2172	66	2035	AT 95
2171	67	2036	AT 95
2172	68	2036	AT 95
2172	69	2035	AT 95
2171	70	2036	AT 96
2171	71	2035	AT 96
2170	72	2035	AT 96
2170	73	2035	AT 99
2171	74	2036	AT 99
2171	75	2035	AT 99
2172	76	2035	AT 99



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

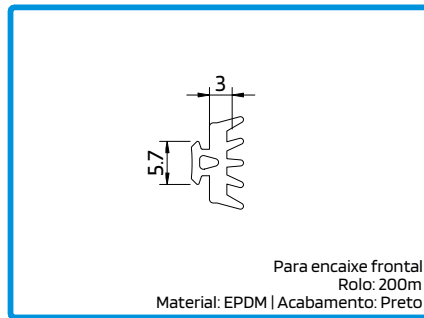
**VEDANTES E PELÚCIAS**  
SEALS AND GASKETS | JOINTS ET JOINTS BROSSES



Para encaixe frontal  
Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208503**

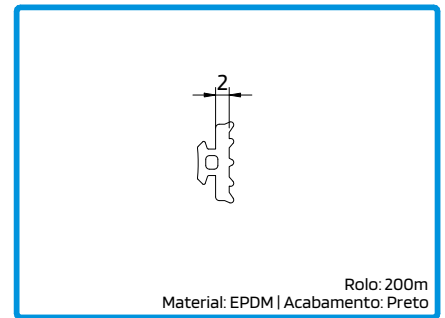
JUNTA VD 2170 FC



Para encaixe frontal  
Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208504**

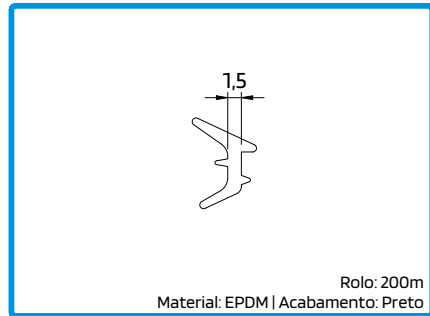
JUNTA VD 2171 FC



Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208505**

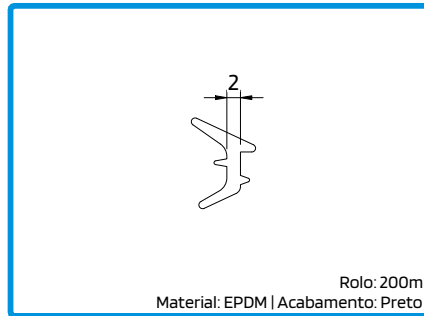
JUNTA VD 2172 FC



Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208223**

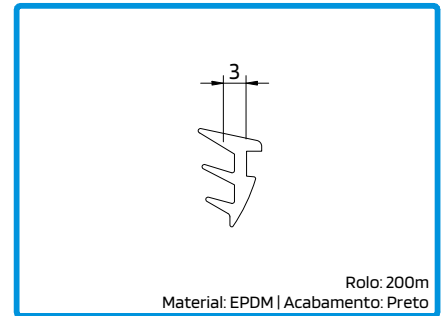
JUNTA DE CUNHA 1031



Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208191**

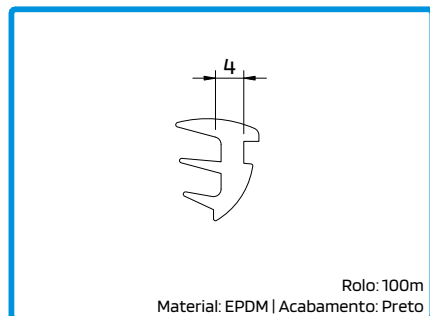
JUNTA DE CUNHA 2042



Rolo: 200m  
Material: EPDM | Acabamento: Preto

**208199**

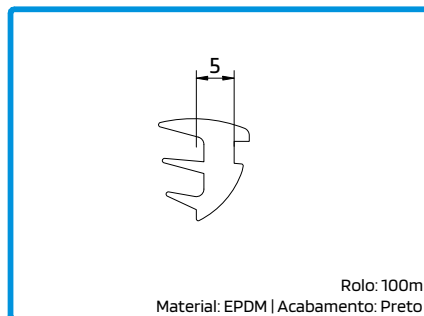
JUNTA DE CUNHA 2073



Rolo: 100m  
Material: EPDM | Acabamento: Preto

**208195**

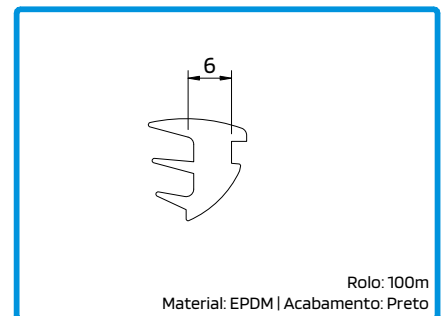
JUNTA DE CUNHA 2034



Rolo: 100m  
Material: EPDM | Acabamento: Preto

**208196**

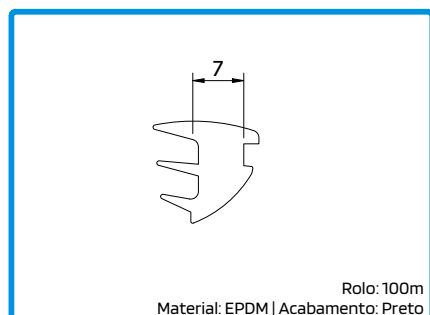
JUNTA DE CUNHA 2035



Rolo: 100m  
Material: EPDM | Acabamento: Preto

**208215**

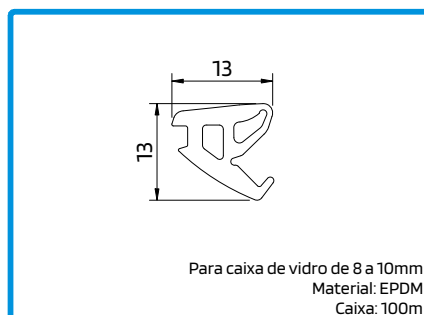
JUNTA DE CUNHA 2036



Rolo: 100m  
Material: EPDM | Acabamento: Preto

**208904**

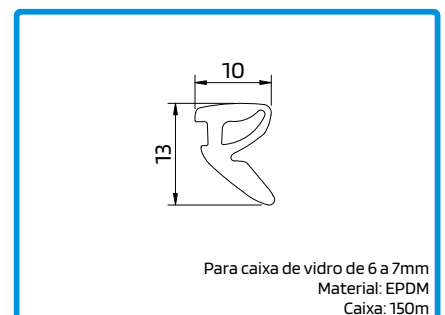
JUNTA DE CUNHA 2037



Para caixa de vidro de 8 a 10mm  
Material: EPDM  
Caixa: 100m

**208912**

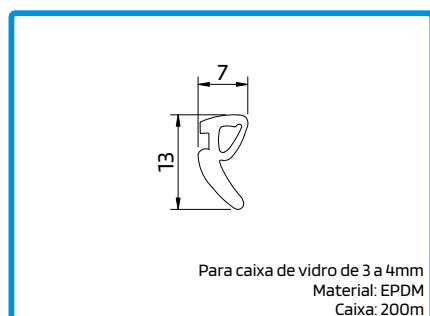
JUNTA DE CUNHA RECORTADA 4193



Para caixa de vidro de 6 a 7mm  
Material: EPDM  
Caixa: 150m

**208913**

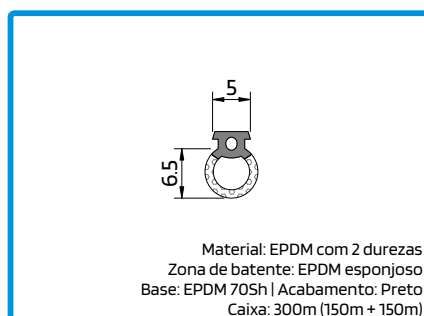
JUNTA DE CUNHA RECORTADA 4194



Para caixa de vidro de 3 a 4mm  
Material: EPDM  
Caixa: 200m

**208914**

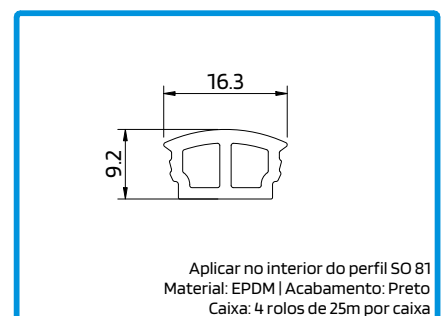
JUNTA DE CUNHA RECORTADA 4195



Material: EPDM com 2 durezas  
Zona de batente: EPDM esponjoso  
Base: EPDM 70Sh | Acabamento: Preto  
Caixa: 300m (150m + 150m)

**208008**

JUNTA DE ESTANQUIDADE 2051

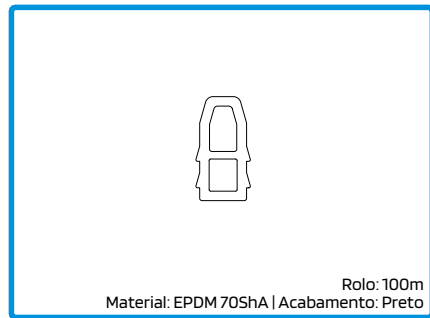


Aplicar no interior do perfil SO 81  
Material: EPDM | Acabamento: Preto  
Caixa: 4 rolos de 25m por caixa

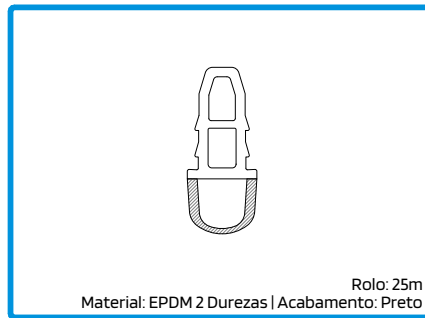
**208323**

JUNTA VD 2132

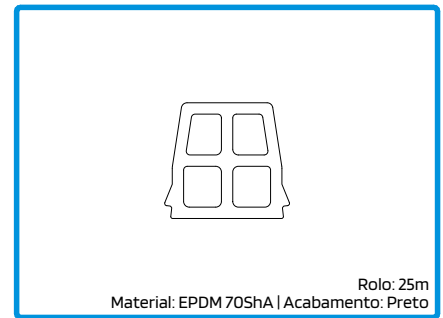
**VEDANTES E PELÚCIAS**  
SEALS AND GASKETS | JOINTS ET JOINTS BROSSES



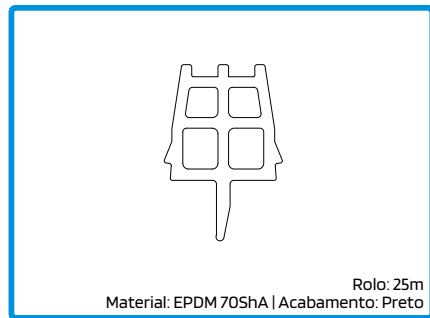
**208361** JUNTA TAPA CANAL 2182 DS  
Rolo: 100m  
Material: EPDM 70ShA | Acabamento: Preto



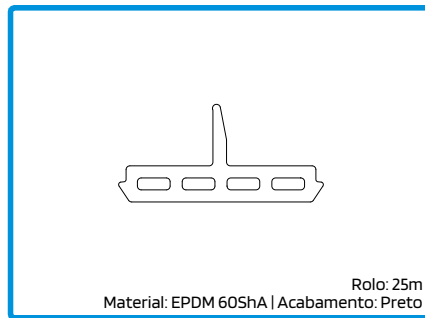
**208353** JUNTA VD 2130 DS  
Rolo: 25m  
Material: EPDM 2 Durezas | Acabamento: Preto



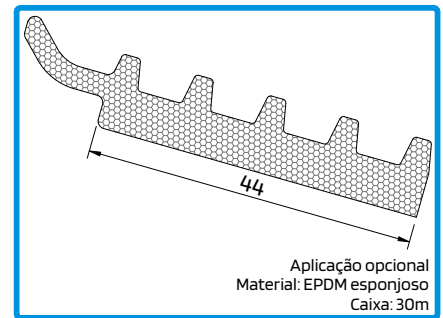
**208359** JUNTA TAPA CANAL 2180 DS  
Rolo: 25m  
Material: EPDM 70ShA | Acabamento: Preto



**208360** JUNTA TAPA CANAL 2181 DS  
Rolo: 25m  
Material: EPDM 70ShA | Acabamento: Preto

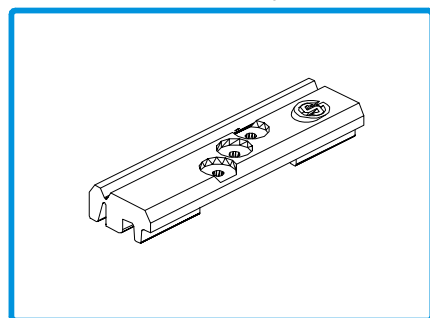


**208227** JUNTA VEDAÇÃO CENTRAL 2287 DS  
Rolo: 25m  
Material: EPDM 60ShA | Acabamento: Preto

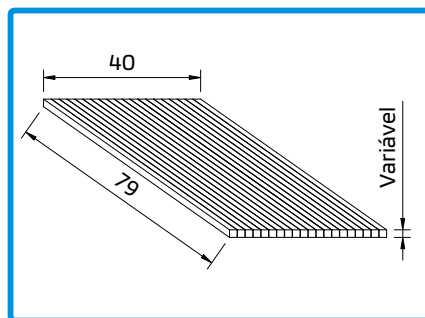


**208182** JUNTA 2090  
Aplicação opcional  
Material: EPDM esponjoso  
Caixa: 30m

**ACESSÓRIOS PARA VIDRO**  
GLASS ACCESSORIES | ACCESSOIRES POUR VERRE

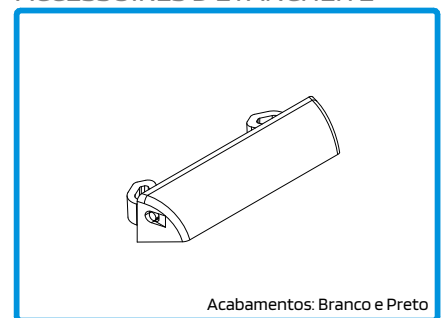


**218194** CALÇO P/VIDRO EURO 2000 Nylon



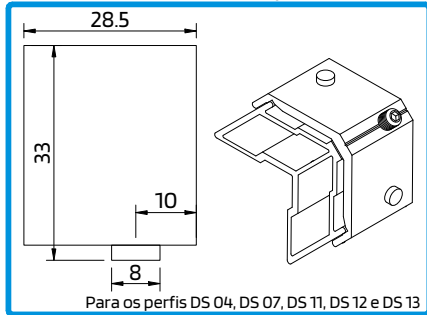
**218113** CALÇO PARA VIDRO 79x40x2  
**218109** CALÇO PARA VIDRO 79x40x3  
**218111** CALÇO PARA VIDRO 79x40x4  
**218112** CALÇO PARA VIDRO 79x40x5

**ACESSÓRIOS DE ESTANQUICIDADE**  
WATERTIGHTNESS ACCESSORIES  
ACCESSOIRES D'ÉTANCHÉITÉ

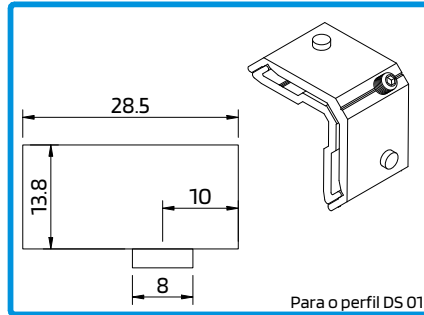


**210268** GOTEIRA C/ VÁLV. SVE  
Acabamentos: Branco e Preto

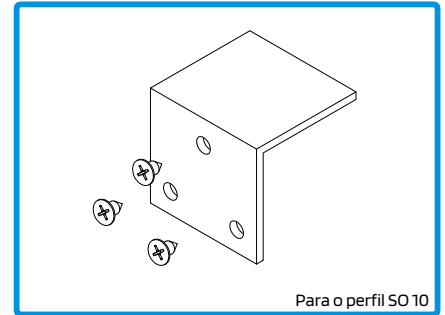
**ACESSÓRIOS PARA OS AROS**  
FRAME ACCESSORIES | ACCESSOIRES POUR LES CADRES



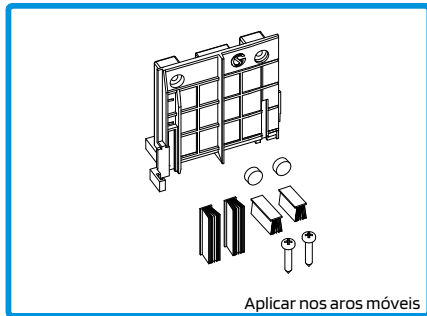
**204177** ESQUADRO DS GRANDE 2933-D



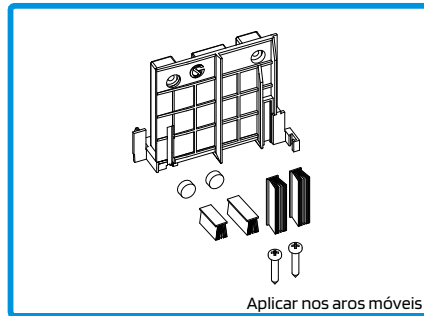
**204178** ESQUADRO DS 2914-D



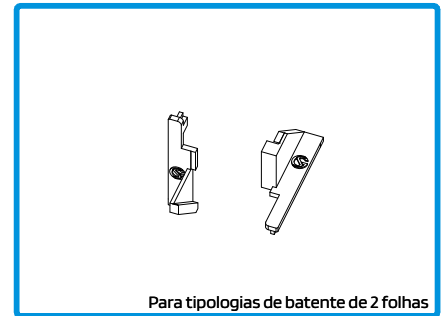
**213306** ÂNGULO REMATE CENTRAL



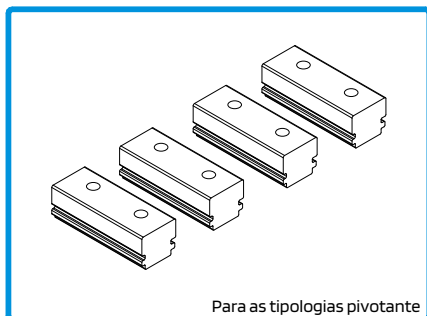
**210507** TOPO SUP/INF LATERAL DS DIR



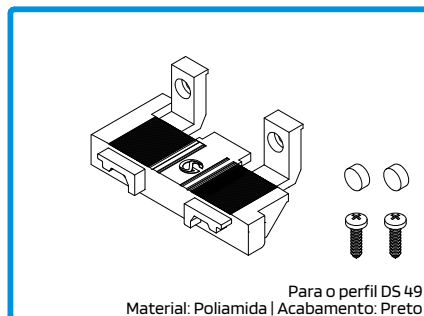
**210508** TOPO SUP/INF LATERAL DS ESQ



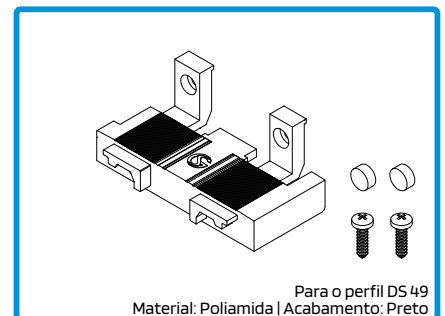
**212417** CONJ. TOPOS SUPERIORES 2 FOLHAS DS



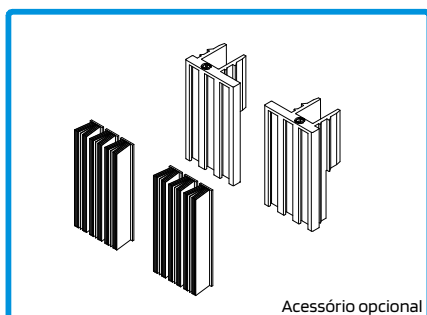
**212415** CONJ. CALÇOS FIX.ARO FIXO DS



**210512** TOPO SOLEIRA DS ESQ

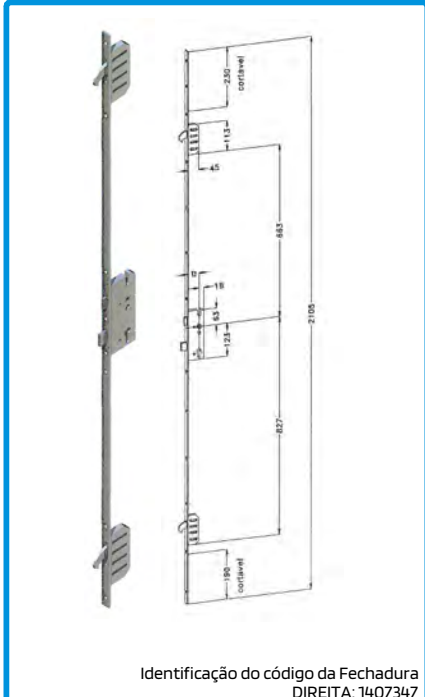


**210511** TOPO SOLEIRA DS DIR



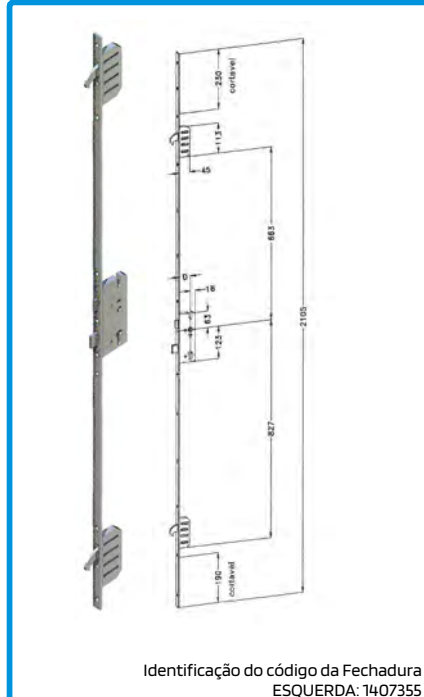
**212418** CONJ. TOPOS ARO FIXO DS

**FECHADURAS E COMPLEMENTARES**  
**LOCKS AND FITTINGS | SERRURES ET COMPLÉMENTAIRES**



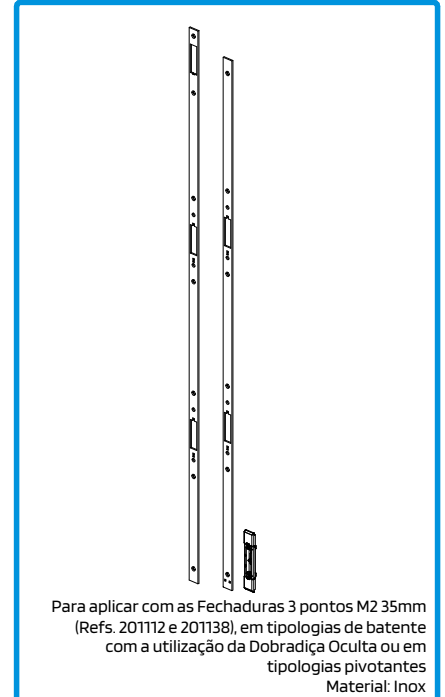
Identificação do código da Fechadura  
 DIREITA: 1407347

**201112** FECH. 3 PONTOS M2 35mm DIR



Identificação do código da Fechadura  
 ESQUERDA: 1407355

**201138** FECHADURA 3 PONTOS M2 35MM ESQ



Para aplicar com as Fechaduras 3 pontos M2 35mm  
 (Refs. 201112 e 201138), em tipologias de batente  
 com a utilização da Dobradiça Oculta ou em  
 tipologias pivotantes  
 Material: Inox

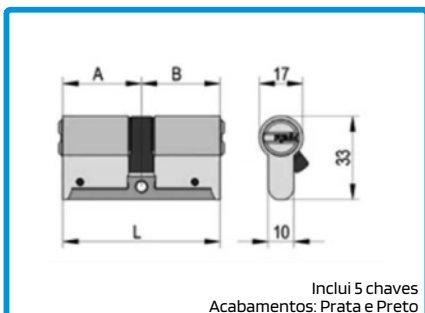
**212424** CONJ. CHAPA TESTA LISA



**280042** TESTA CENTRAL FECHADURA M2

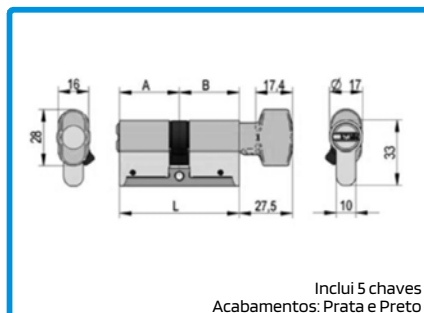


**280043** TESTA INF/SUP. FECHADURA M2



Inclui 5 chaves  
 Acabamentos: Prata e Preto

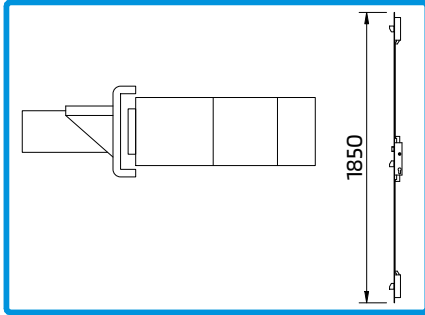
**207458** CILINDRO ALTA SEGURANÇA 30/80



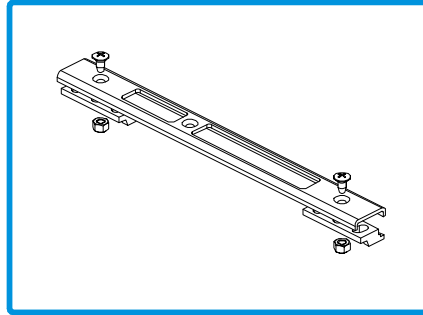
Inclui 5 chaves  
 Acabamentos: Prata e Preto

**207460** CILINDRO ALTA SEGURANÇA 30B/80

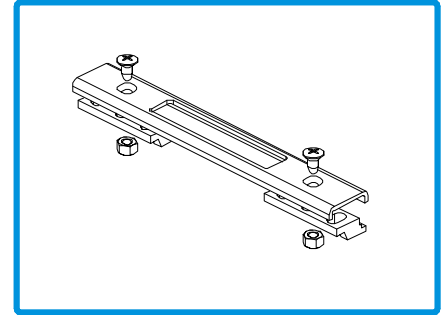
**FECHADURAS E COMPLEMENTARES**  
LOCKS AND FITTINGS | SERRURES ET COMPLÉMENTAIRES



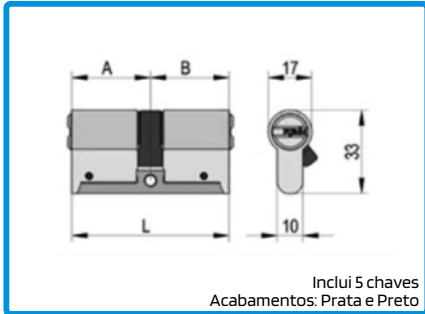
**201010** FECHADURA DE 3 PONTOS EM U 7799x35



**280004** TESTA FECHADURA PS Nº. 1

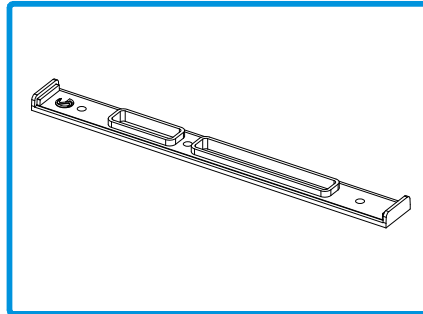


**280005** TESTA FECHADURA PS Nº. 2

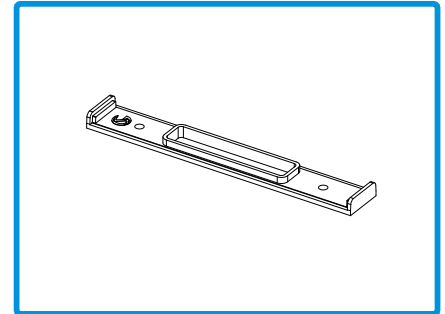


**207457** CILINDRO ALTA SEGURANÇA 55/55

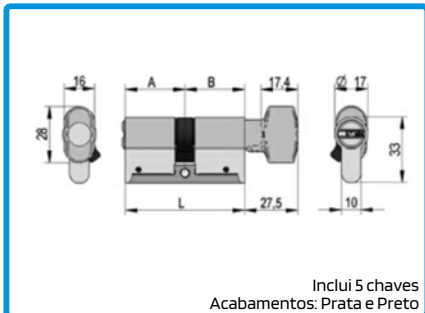
Inclui 5 chaves  
Acabamentos: Prata e Preto



**218227** CALÇO P/ TESTAS FECH. DS Nº1

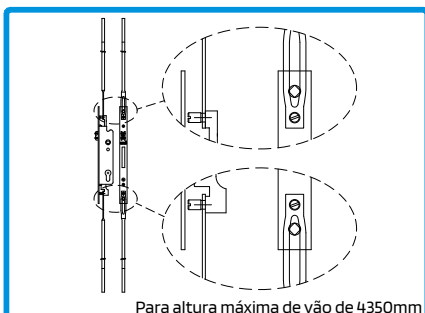


**218228** CALÇO P/ TESTAS FECH. DS Nº2



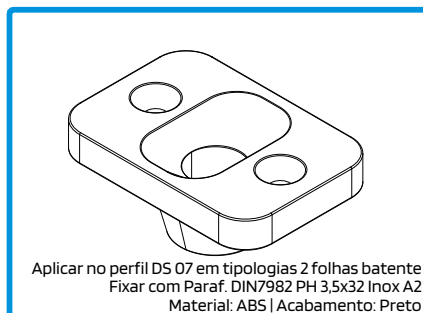
**207459** CILINDRO ALTA SEGURANÇA 55B/55

Inclui 5 chaves  
Acabamentos: Prata e Preto



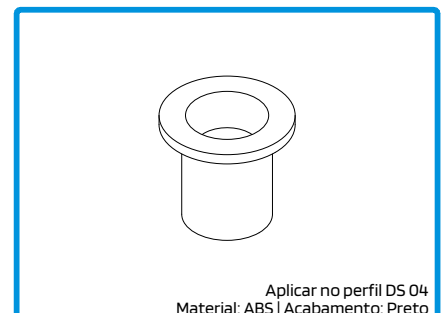
**201180** FECHADURA DE TRANCAS

Para altura máxima de vão de 4350mm



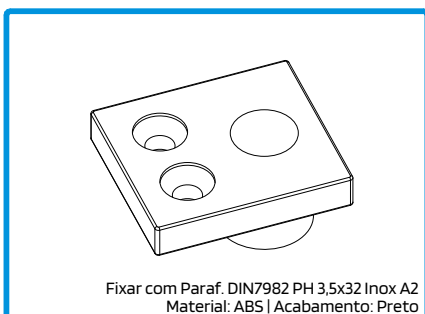
**203303** COPO SUP/INF FECH. TRANCAS OS-P

Aplicar no perfil DS 07 em tipologias 2 folhas batente  
Fixar com Paraf. DIN7982 PH 3,5x32 Inox A2  
Material: ABS | Acabamento: Preto



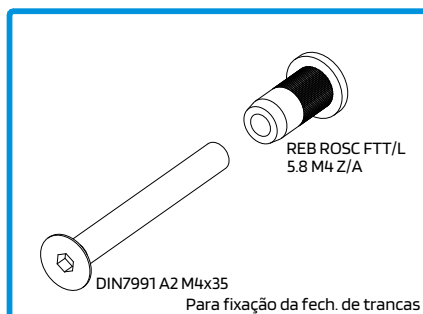
**203304** COPO INF. FECH. TRANCAS OS-P

Aplicar no perfil DS 04  
Material: ABS | Acabamento: Preto



**207128** GUIA FECH. TRANCAS DS

Fixar com Paraf. DIN7982 PH 3,5x32 Inox A2  
Material: ABS | Acabamento: Preto

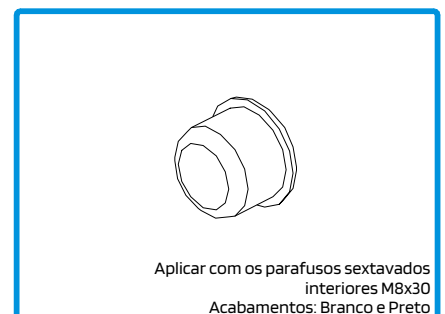


**212017** CONJUNTO FIXAÇÃO FERRAGEM MULTI-PONTO

REB ROSC FTT/L  
5.8 M4 Z/A

DIN7991 A2 M4x35

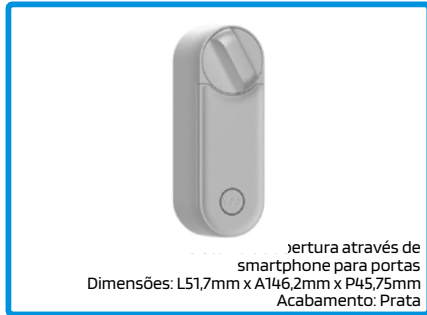
Para fixação da fech. de trancas



**210013** TAPA-FUROS 10MM BRANCO  
**210015** TAPA-FUROS 10MM PRETO

Aplicar com os parafusos sextavados interiores M8x30  
Acabamentos: Branco e Preto

**SISTEMAS DE ABERTURA E COMPLEMENTARES**  
OPENING SYSTEMS AND FITTINGS | SYSTÈMES D'OUVERTURE ET COMPLÉMENTAIRES



Abertura através de smartphone para portas  
Dimensões: L51,7mm x A146,2mm x P45,75mm  
Acabamento: Prata

**299247** SISTEMA ABERTURA INTELIGENTE LINUS L2



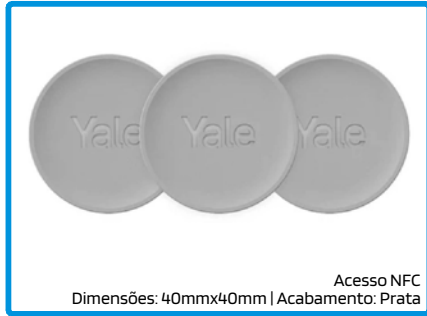
Aplicar com o Sistema de Abertura Inteligente, em tipologias de abertura interior.

**218161** CALÇO AB. INTERIOR P/ LINUS



Para sistema de abertura inteligente Linus L2  
Duração: ≈ 6 meses

**299250** BATERIA LINUS L2



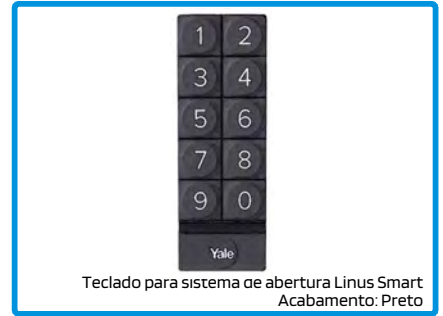
Acesso NFC  
Dimensões: 40mmx40mm | Acabamento: Prata

**299248** DOT LINUS



Acesso com impressão digital ou código  
Acabamento: Preto

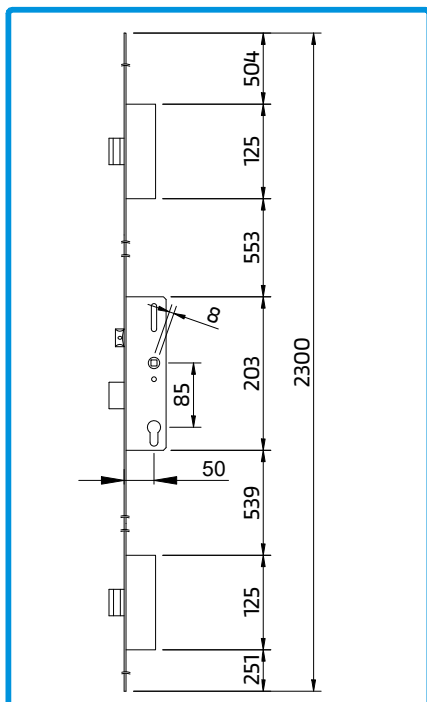
**299249** TECLADO C/ BIOMÉTRICO LINUS



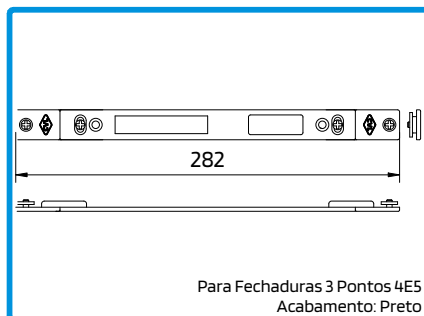
Teclado para sistema de abertura Linus Smart  
Acabamento: Preto

**299121** TECLADO LINUS

**FECHADURA E COMPLEMENTARES P/ TIPOLOGIAS DE AB. EXTERIOR C/ SISTEMA ABERT. INTELIGENTE LINUS**  
LOCKS AND FITTINGS FOR OUTWARD OPENING DOORS WITH LINUS SMART OPENING SYSTEM  
POUR LES TYPOLOGIES D'OUVERTURE VERS L'EXTÉRIEURE AVEC SYSTÈME D'OUVERTURE INTELLIGENT LINUS

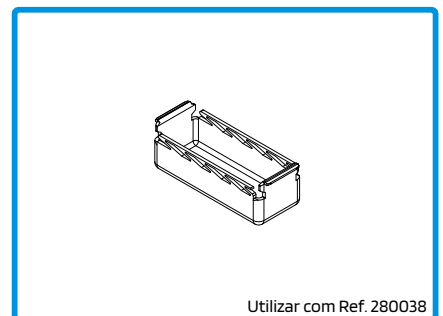


**201109** FECHADURA 3 PONTOS 4E5 50MM



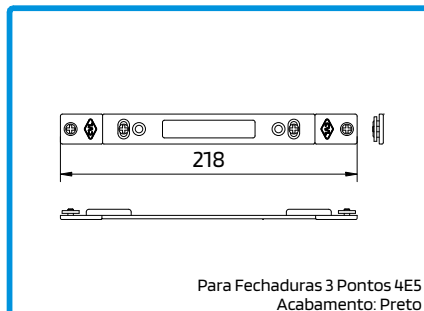
Para Fechaduras 3 Pontos 4E5  
Acabamento: Preto

**280038** TESTA CENTRAL REGULAVEL 184 PRT



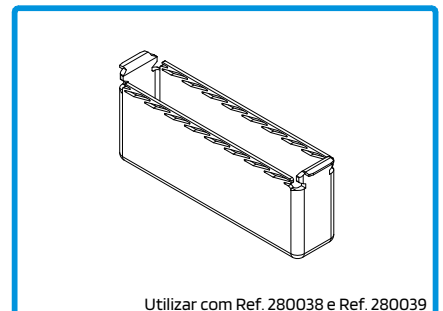
Utilizar com Ref. 280038

**203307** COPO PEQUENO P/ TESTA 184 PRT



Para Fechaduras 3 Pontos 4E5  
Acabamento: Preto

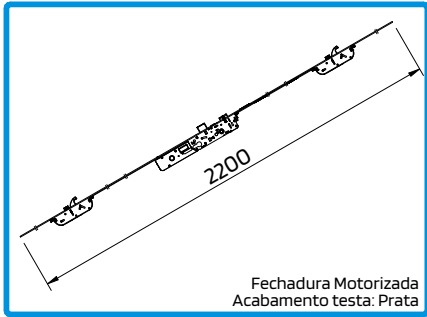
**280039** TESTA SUP/INF REGULAVEL 2965 PRT



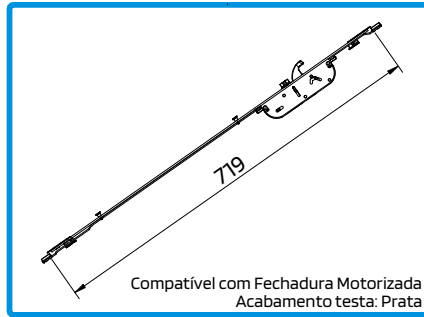
Utilizar com Ref. 280038 e Ref. 280039

**203308** COPO P/ TESTA 2965 E 184 PRT

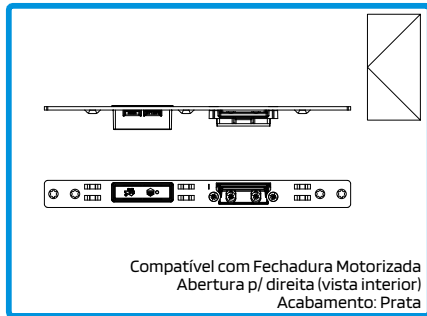
**FECHADURA MOTORIZADA E COMPLEMENTARES**  
MOTORISED LOCK AND FITTINGS | SERRURE MOTORISÉE ET COMPLÉMENTAIRES



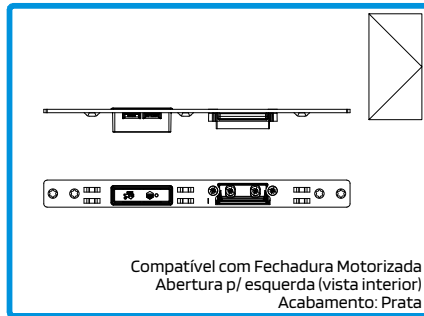
**201123** FECHADURA T24 E92 EM35 PZ M-TS  
Acabamento testa: Prata



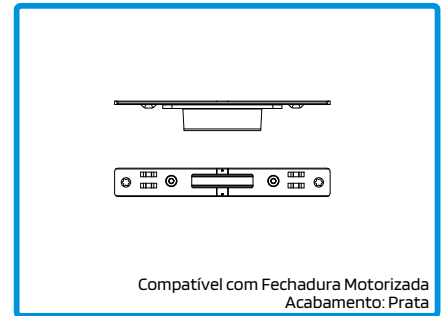
**211094** PROLONGADOR T24 M-TS  
Acabamento testa: Prata



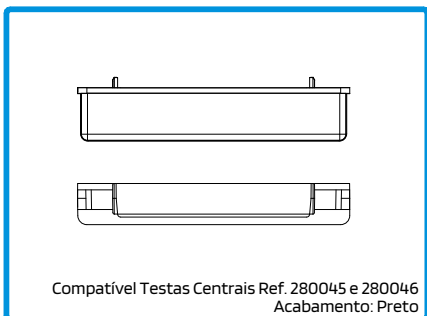
**280050** TESTA CENTRAL M-TS 3MM DIR.  
Acabamento: Prata



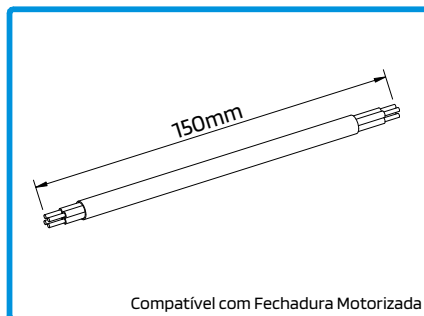
**280051** TESTA CENTRAL M-TS 3MM ESQ.  
Acabamento: Prata



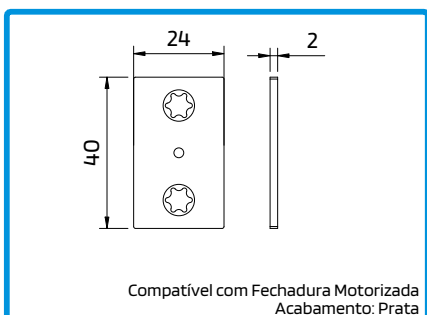
**280052** TESTA INF/SUP M-TS 3MM  
Acabamento: Prata



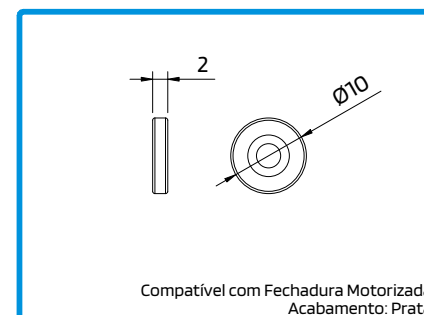
**203310** COPO P/ TESTA CENTRAL M-TS  
Acabamento: Preto



**299617** CABO CONECTOR 150MM M-TS  
Acabamento: Prata



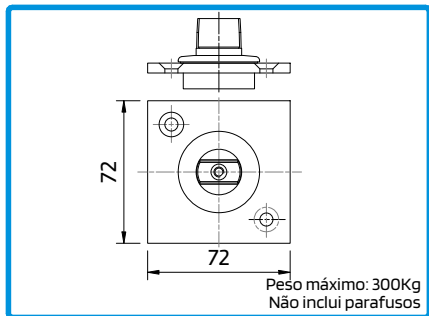
**214013** BASE MAGNETICO ANILHA M-TS  
Acabamento: Prata



**228253** MAGNETICO ANILHA 2MM M-TS  
Acabamento: Prata

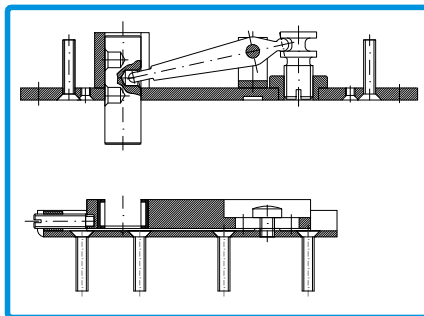
**ACESSÓRIOS PARA PIVOTANTE E COMPLEMENTARES**

**PIVOTING ACCESSORIES AND FITTINGS | ACCESSOIRES POUR PIVOTANTS ET COMPLÉMENTAIRES**

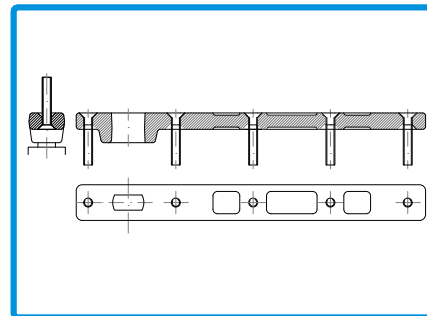


**227114** PIVOT DE CHÃO 7471 AX

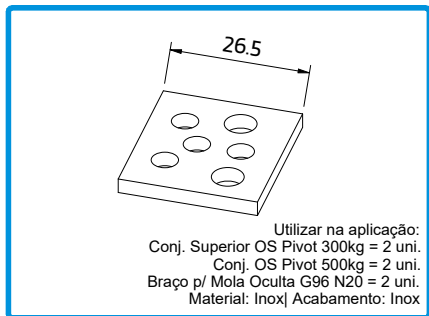
Peso máximo: 300Kg  
Não inclui parafusos



**212331** CONJ. SUPERIOR OS PIVOT 300KG

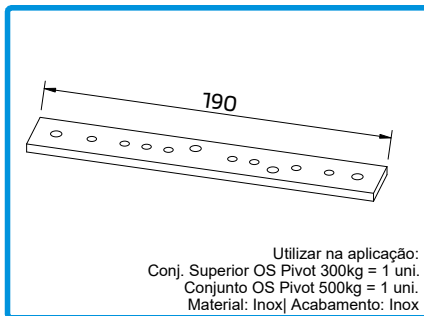


**210121** BRAÇO INFERIOR OS PIVOT 300KG



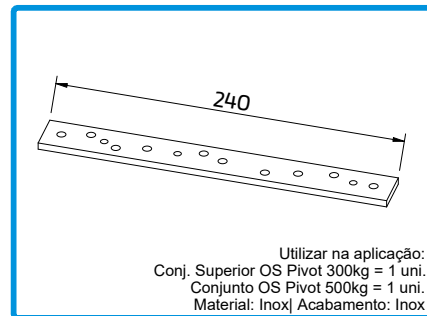
**215041** PEÇA FIXAÇÃO INOX DS N°1

Utilizar na aplicação:  
Conj. Superior OS Pivot 300kg = 2 uni.  
Conj. OS Pivot 500kg = 2 uni.  
Braço p/ Mola Oculta G96 N20 = 2 uni.  
Material: Inox| Acabamento: Inox



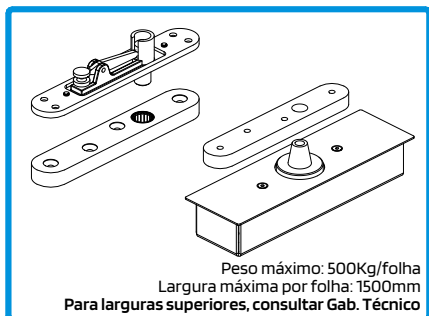
**215042** PEÇA FIXAÇÃO INOX DS N°2

Utilizar na aplicação:  
Conj. Superior OS Pivot 300kg = 1 uni.  
Conjunto OS Pivot 500kg = 1 uni.  
Material: Inox| Acabamento: Inox



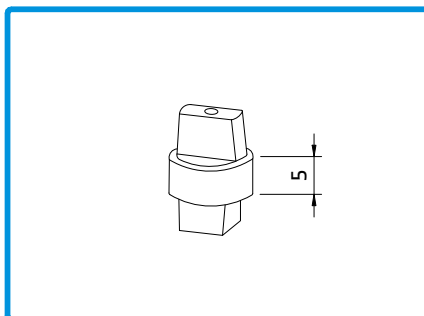
**215043** PEÇA FIXAÇÃO INOX DS N°3

Utilizar na aplicação:  
Conj. Superior OS Pivot 300kg = 1 uni.  
Conjunto OS Pivot 500kg = 1 uni.  
Material: Inox| Acabamento: Inox

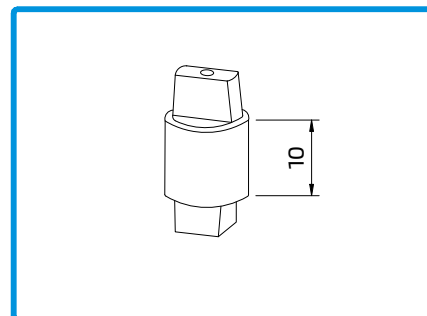


**212324** CONJUNTO OS PIVOT 500KG

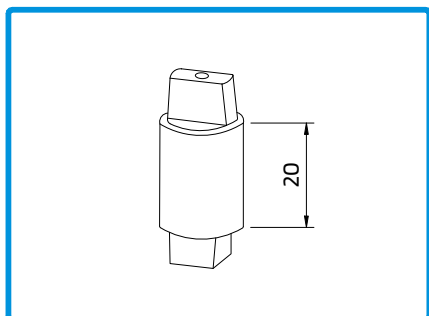
Peso máximo: 500Kg/folha  
Largura máxima por folha: 1500mm  
Para larguras superiores, consultar Gab. Técnico



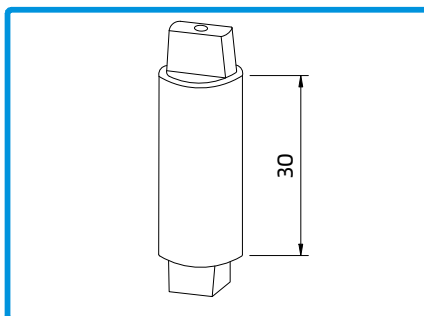
**220012** EIXO SUBSTITUIÇÃO ALONGADO 5MM



**220013** EIXO SUBSTITUIÇÃO ALONGADO 10MM



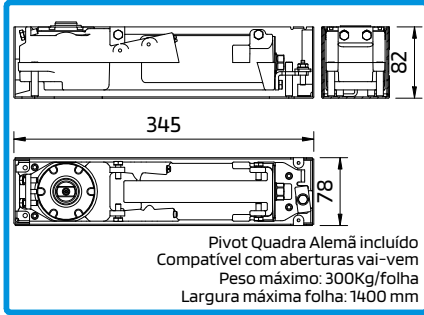
**220014** EIXO SUBSTITUIÇÃO ALONGADO 20MM



**220015** EIXO SUBSTITUIÇÃO ALONGADO 30MM

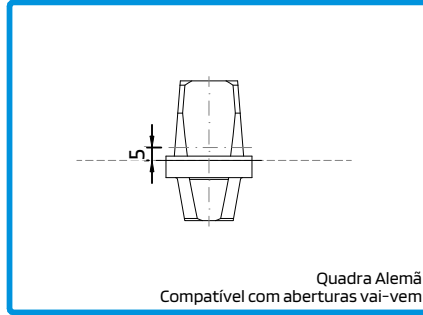
**ACESSÓRIOS PARA PIVOTANTE E COMPLEMENTARES**

PIVOTING ACCESSORIES AND FITTINGS | ACCESSOIRES POUR PIVOTANTS ET COMPL MENTAIRES



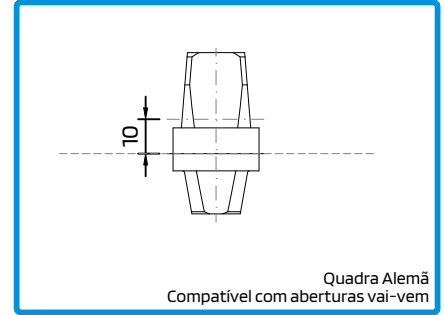
Pivot Quadra Alem  includo  
Compat vel com aberturas vai-vem  
Peso m ximo: 300Kg/folha  
Largura m xima folha: 1400 mm

**228078** MOLA PAVIMENTO M750 300KG



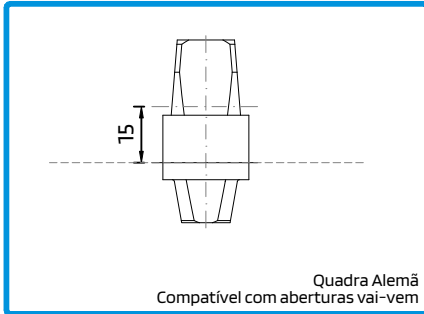
Quadra Alem   
Compat vel com aberturas vai-vem

**220021** EIXO SUBSTITUI O ALONGADO M750 5MM



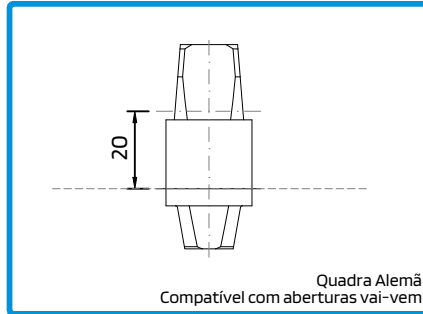
Quadra Alem   
Compat vel com aberturas vai-vem

**220022** EIXO SUBSTITUI O ALONGADO M750 10MM



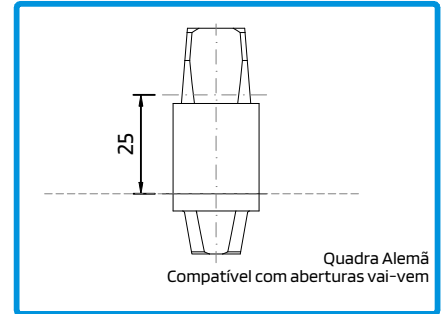
Quadra Alem   
Compat vel com aberturas vai-vem

**220023** EIXO SUBSTITUI O ALONGADO M750 15MM



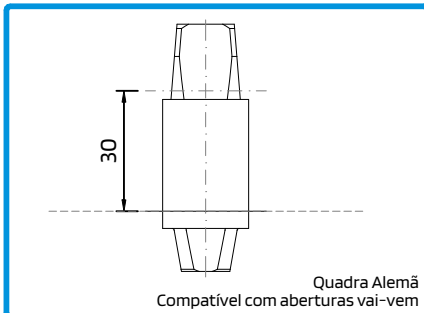
Quadra Alem   
Compat vel com aberturas vai-vem

**220024** EIXO SUBSTITUI O ALONGADO M750 20MM



Quadra Alem   
Compat vel com aberturas vai-vem

**220025** EIXO SUBSTITUI O ALONGADO M750 25MM



Quadra Alem   
Compat vel com aberturas vai-vem

**220026** EIXO SUBSTITUI O ALONGADO M750 30MM



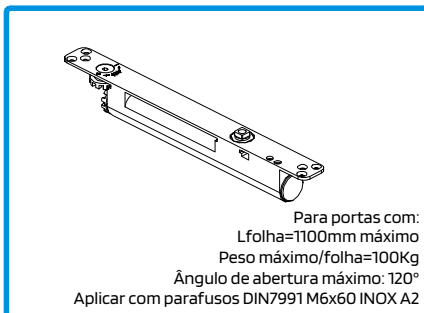
Compat vel com a mola de pavimento M750  
Caixa c/ 2 embalagens de 500 cc (Total = 1000 cc)

**208706** GEL DE VEDA O P/ MOLA DE PAVIMENTO

**ACESSÓRIOS PARA MOLA OCULTA E COMPLEMENTARES**

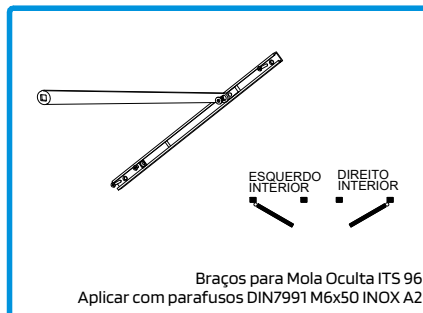
HIDDEN SPRING ACCESSORIES AND COMPLEMENTARY ITEMS |

ACCESSOIRES POUR RESSORTS CACH S ET COMPL MENTAIRES



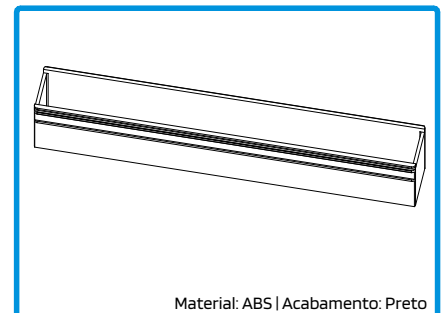
Para portas com:  
Lfolha=1100mm m ximo  
Peso m ximo/folha=100Kg  
Ângulo de abertura m ximo: 120°  
Aplicar com parafusos DIN7991 M6x60 INOX A2

**228051** MOLA SUP. OCULTA EN 2-4 ITS 96



Bra os para Mola Oculta ITS 96  
Aplicar com parafusos DIN7991 M6x50 INOX A2

**210117** BR. P/ MOLA OCULTA G96 N20 ESQ.  
**210118** BR. P/ MOLA OCULTA G96 N20 DIR.

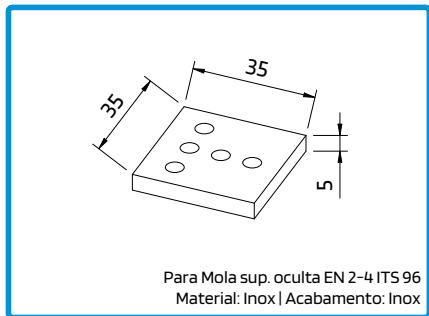


Material: ABS | Acabamento: Preto

**203309** COPO P/ MOLA OCULTA ITS 96

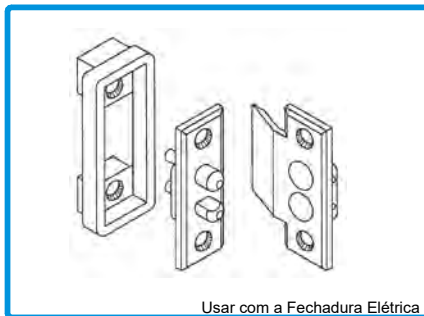
**ACESSÓRIOS PARA PIVOTANTE E COMPLEMENTARES**

PIVOTING ACCESSORIES AND FITTINGS | ACCESSOIRES POUR PIVOTANTS ET COMPLÉMENTAIRES



Para Mola sup. oculta EN 2-4 ITS 96  
Material: Inox | Acabamento: Inox

**215506** PEÇA FIXAÇÃO MOLAS SUP. OC. ITS 96

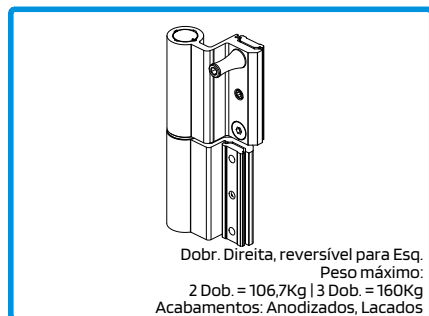


Usar com a Fechadura Elétrica

**219101** CONTATO PARA FECHADURA ELÉTRICA

**DOBRADIÇAS E COMPLEMENTARES**

HINGES AND FITTINGS | PAUMELLES ET COMPLÉMENTAIRES



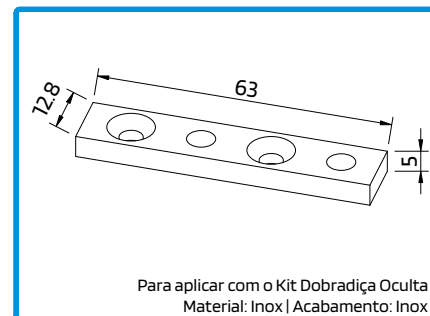
Dobr. Direita, reversível para Esq.  
Peso máximo:  
2 Dob. = 106,7Kg | 3 Dob. = 160Kg  
Acabamentos: Anodizados, Lacados

**202238** DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D



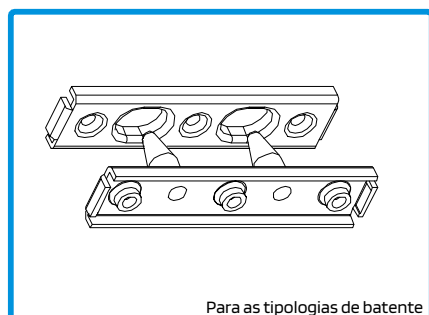
Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

**202109** DOBRADIÇA OCULTA SOLID



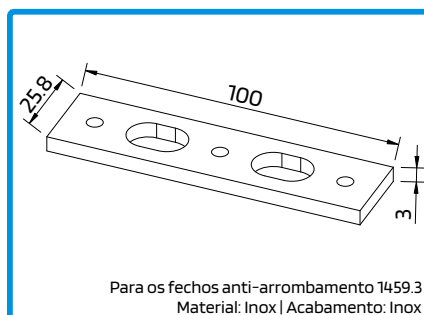
Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

**215504** PEÇA FIXAÇÃO DOB. OC. SOLID



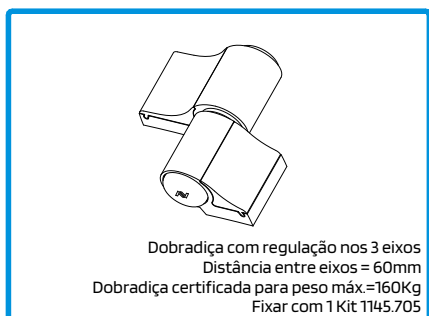
Para as tipologias de batente

**201611** FEC. ANTI-ARROMBAMENTO 1459.3



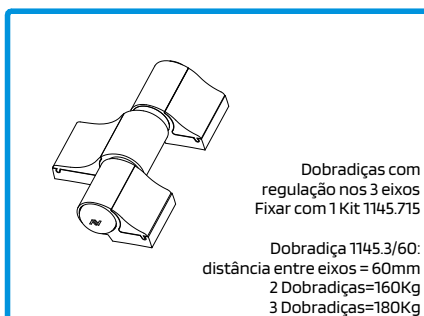
Para os fechos anti-arrombamento 1459.3  
Material: Inox | Acabamento: Inox

**215505** PEÇA FIXAÇÃO P/ FECH.1459.3



Dobradiça com regulação nos 3 eixos  
Distância entre eixos = 60mm  
Dobradiça certificada para peso máx.=160Kg  
Fixar com 1 Kit 1145.705

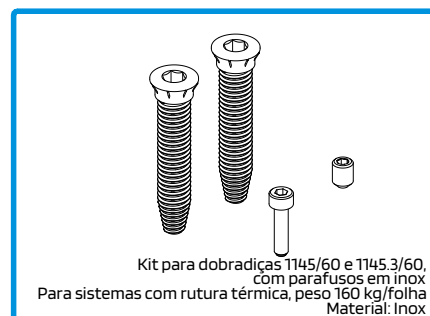
**202010** DOB. MECHANICA 2 ABAS 1145.3/60



Dobradiças com regulação nos 3 eixos  
Fixar com 1 Kit 1145.715

Dobradiça 1145.3/60:  
distância entre eixos = 60mm  
2 Dobradiças=160Kg  
3 Dobradiças=180Kg

**202610** DOB. MECHANICA 3 ABAS 1145.3/60

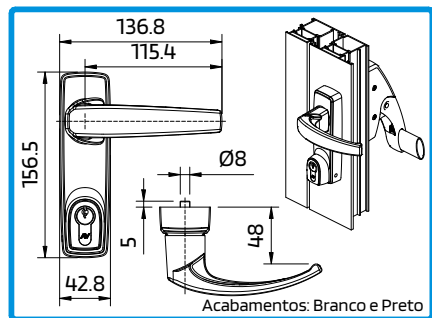


Kit para dobradiças 1145/60 e 1145.3/60,  
com parafusos em inox  
Para sistemas com rutura térmica, peso 160 kg/folha  
Material: Inox

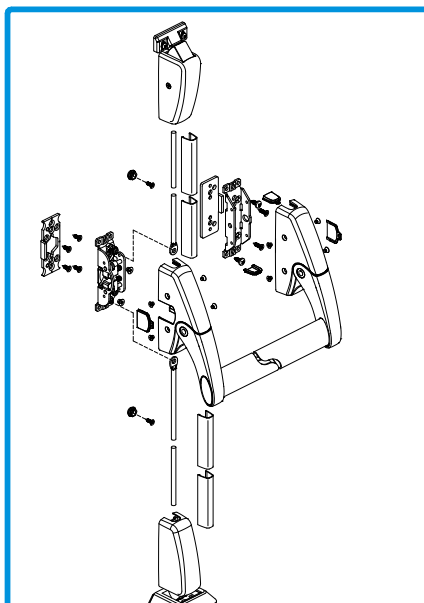
**223000** KIT DE FIX. P/ MECHA. 1145.757X

**BARRAS ANTI-PÂNICO E COMPLEMENTARES**

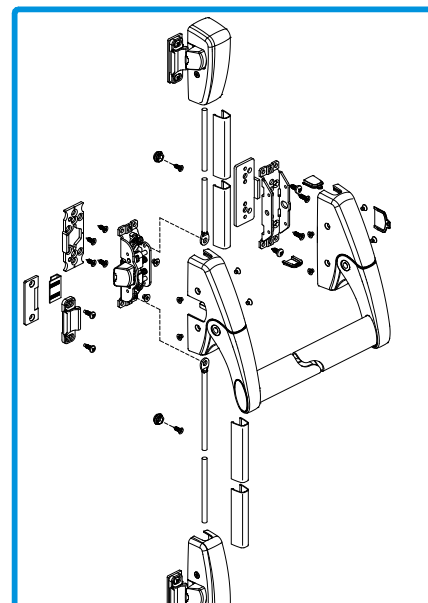
**PANIC BARS AND ACCESSORIES | BARRES ANTI-PANIQUE ET ACCESSOIRES**



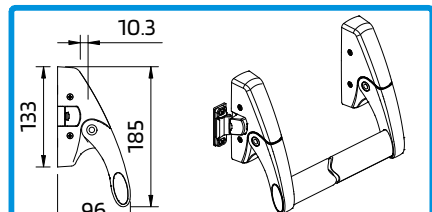
**200347** CREMONE C/ FECHADURA 6010.875  
Acabamentos: Branco e Preto



**200991** FERRAGEM CERTIFICADA  
Anti-pânico vertical ambidestra com 2 pontos de fecho  
Largura útil entre 800 a 1240 mm  
Altura máxima de 2450mm  
Acabamento: Verde



**200992** FERRAGEM CERTIFICADA  
Anti-pânico vertical ambidestra com 3 pontos de fecho  
Largura útil entre 800 a 1240 mm  
Altura máxima de 2450mm  
Acabamento: Verde

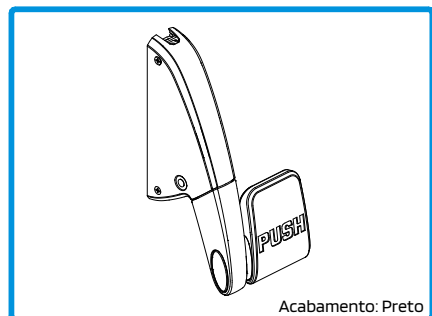


**200993** FERRAGEM CERTIFICADA  
Anti-pânico horizontal ambidestra com 1 ponto fecho  
Largura útil entre 800 a 1240 mm  
Altura máxima de 2450mm  
Acabamento: Verde

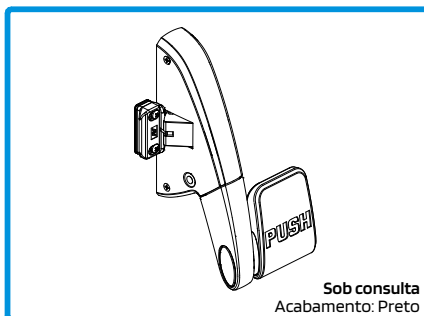
**200993** ANTI-PÂNICO HORIZONTAL  
6010.1/1200

**200991** ANTI-PÂNICO VERTICAL  
6010.2/1200

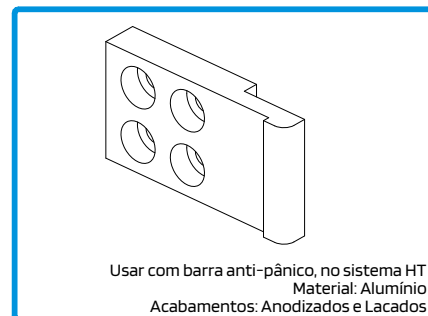
**200992** ANTI-PÂNICO VERTICAL  
6010.3/1200



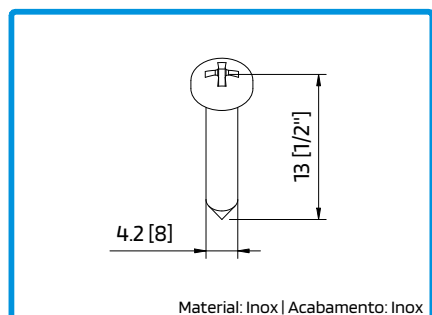
**201498** FECHO VERTICAL 6000.752  
Acabamento: Preto



**201498** FECHO VERTICAL 6000.751  
Sob consulta  
Acabamento: Preto

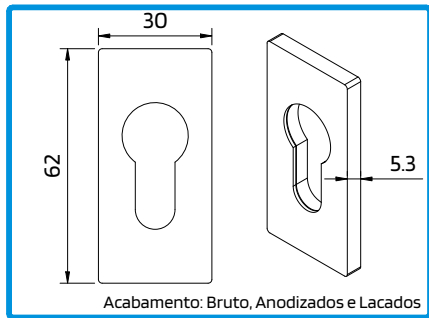


**202334** CONTRA-FECHO HT  
P/ BARRA ANTI-PÂNICO  
Usar com barra anti-pânico, no sistema HT  
Material: Alumínio  
Acabamentos: Anodizados e Lacados



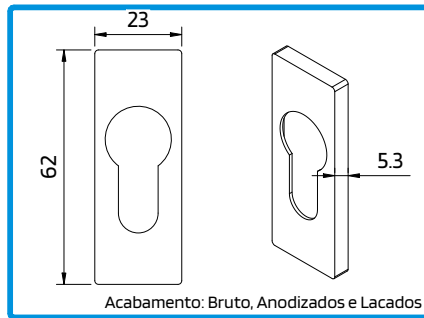
**290111** PARAFUSO CQ 4,2x13 INOX A2  
Material: Inox | Acabamento: Inox

## PUXADORES E COMPLEMENTARES HANDLES AND FITTINGS | POIGNÉES ET COMPLÉMENTAIRES



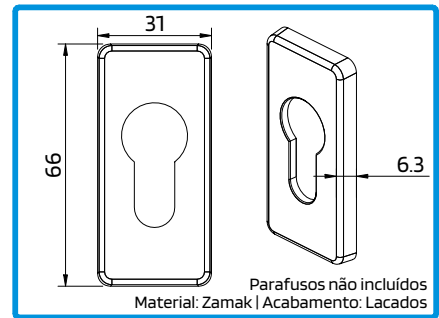
Acabamento: Bruto, Anodizados e Lacados

**220197** ESPELHO ALUMÍNIO 30MM P/ SEGREDO



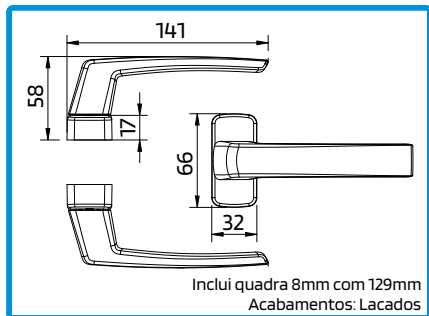
Acabamento: Bruto, Anodizados e Lacados

**220196** ESPELHO ALUMÍNIO 23MM P/ SEGREDO



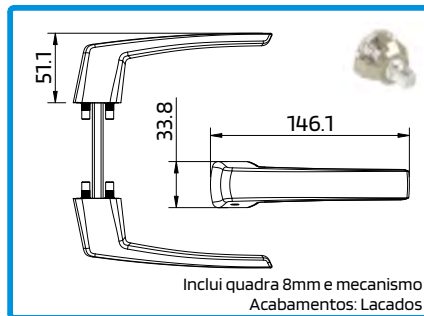
Parafusos não incluídos  
Material: Zamak | Acabamento: Lacados

**220198** ESPELHO DELTA P/ SEGREDO



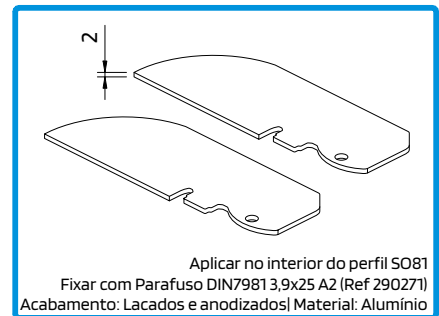
Inclui quadra 8mm com 129mm  
Acabamentos: Lacados

**200792** PUXADOR DE PORTA DUPLO CUBIC



Inclui quadra 8mm e mecanismo  
Acabamentos: Lacados

**200849** PUXADOR DE PORTA MINIMALISTA CUBIC



Aplicar no interior do perfil SO81  
Fixar com Parafuso DIN7981 3,9x25 A2 (Ref 290271)  
Acabamento: Lacados e anodizados | Material: Alumínio

**212449** CONJ. TOPOS SO 81 N°2



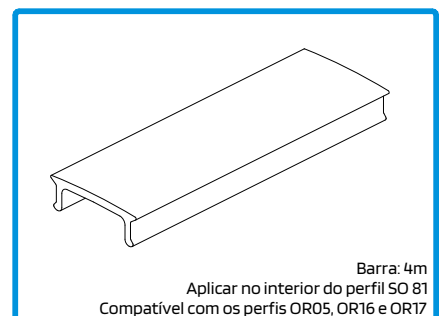
3200-3300K  
24Vdc  
8W/m  
120 LED/m  
Classe de Proteção: IP 65

**221122** FITA LED IP65 24V/8W BRANCA (5M)



3200-3300K  
24Vdc  
8W/m  
120 LED/m  
Classe de Proteção: IP 65

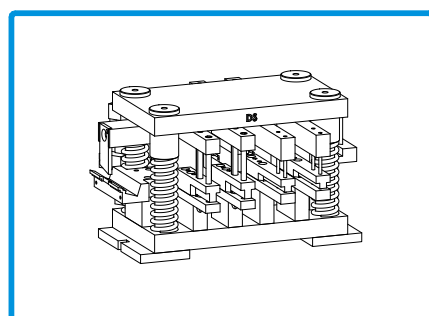
**221123** FITA LED IP65 24V/8W BRANCA (7M)



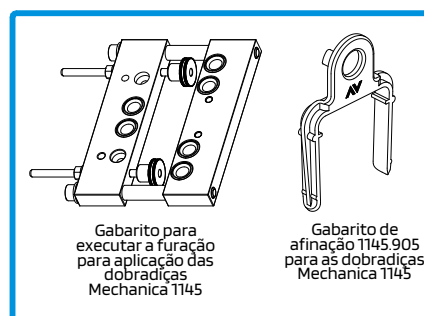
Barra: 4m  
Aplicar no interior do perfil SO 81  
Compatível com os perfis OR05, OR16 e OR17

**215995** PERFIL DIFUSOR LED PP 2118

## FERRAMENTAS | TOOLS | OUTILS



**408069** CORTANTE N°1 DS



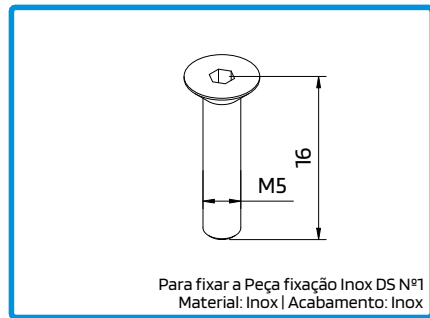
Gabarito para executar a furação para aplicação das dobradiças  
Mechanica 1145

Gabarito de afinação 1145.905 para as dobradiças  
Mechanica 1145

**211101** GABARITO PARA FURAÇÃO 1145.908

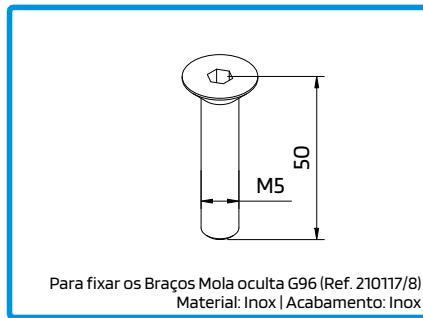
**ACESSÓRIOS DIVERSOS**

**DIVERSE ACCESSORIES | ACCESSOIRES DIVERS**



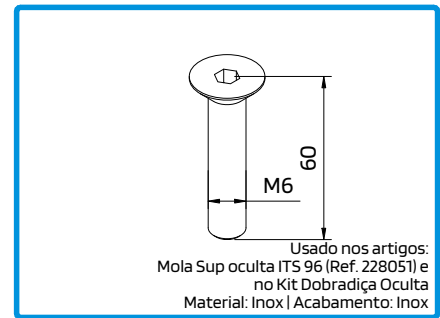
Para fixar a Peça fixação Inox DS N 1  
Material: Inox | Acabamento: Inox

**290480** PARAFUSO CX UMB. M5X16 INOX



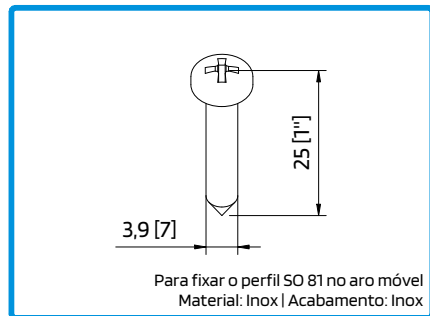
Para fixar os Bra os Mola oculta G96 (Ref. 210117/8)  
Material: Inox | Acabamento: Inox

**290148** PARAFUSO DIN7991 M5X50 INOX A2



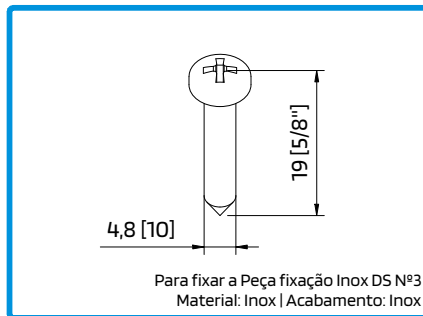
Usado nos artigos:  
Mola Sup oculta ITS 96 (Ref. 228051) e  
no Kit Dobradi a Oculta  
Material: Inox | Acabamento: Inox

**290149** PARAFUSO DIN7991 M6X60 INOX A2



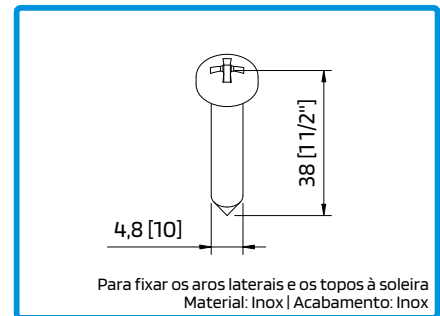
Para fixar o perfil SO 81 no aro m vel  
Material: Inox | Acabamento: Inox

**290271** PARAF. DIN 7981 3,9X25 A2



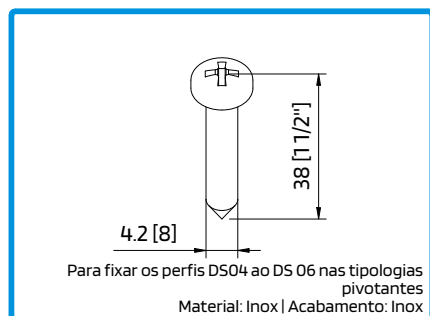
Para fixar a Peça fixa o Inox DS N 3  
Material: Inox | Acabamento: Inox

**290506** PARAF. PKI PH 3/4x10 CQ



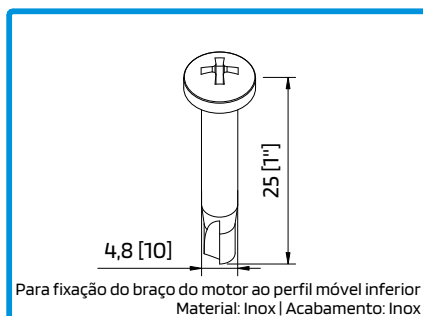
Para fixar os aros laterais e os topos   soleira  
Material: Inox | Acabamento: Inox

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



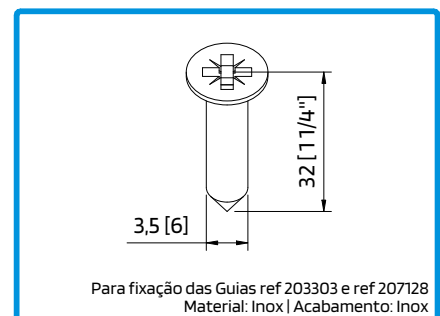
Para fixar os perfis DS04 ao DS 06 nas tipologias  
pivotantes  
Material: Inox | Acabamento: Inox

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



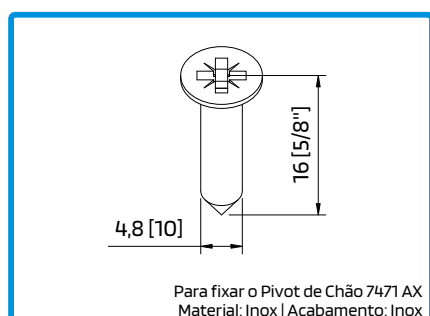
Para fixa o do bra o do motor ao perfil m vel inferior  
Material: Inox | Acabamento: Inox

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



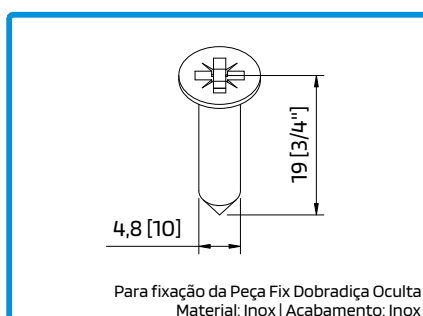
Para fixa o das Guias ref 203303 e ref 207128  
Material: Inox | Acabamento: Inox

**290080** PARAF. DIN7982 PH 3,5x32 INOX A2



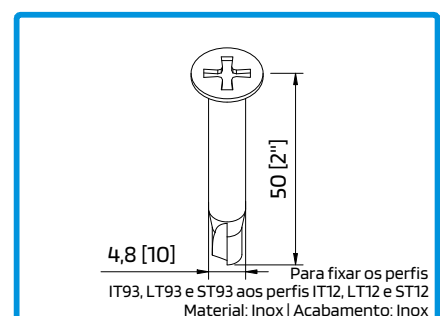
Para fixar o Pivot de Ch o 7471 AX  
Material: Inox | Acabamento: Inox

**290168** PARAFUSO CX 5/8X10 INOX A2



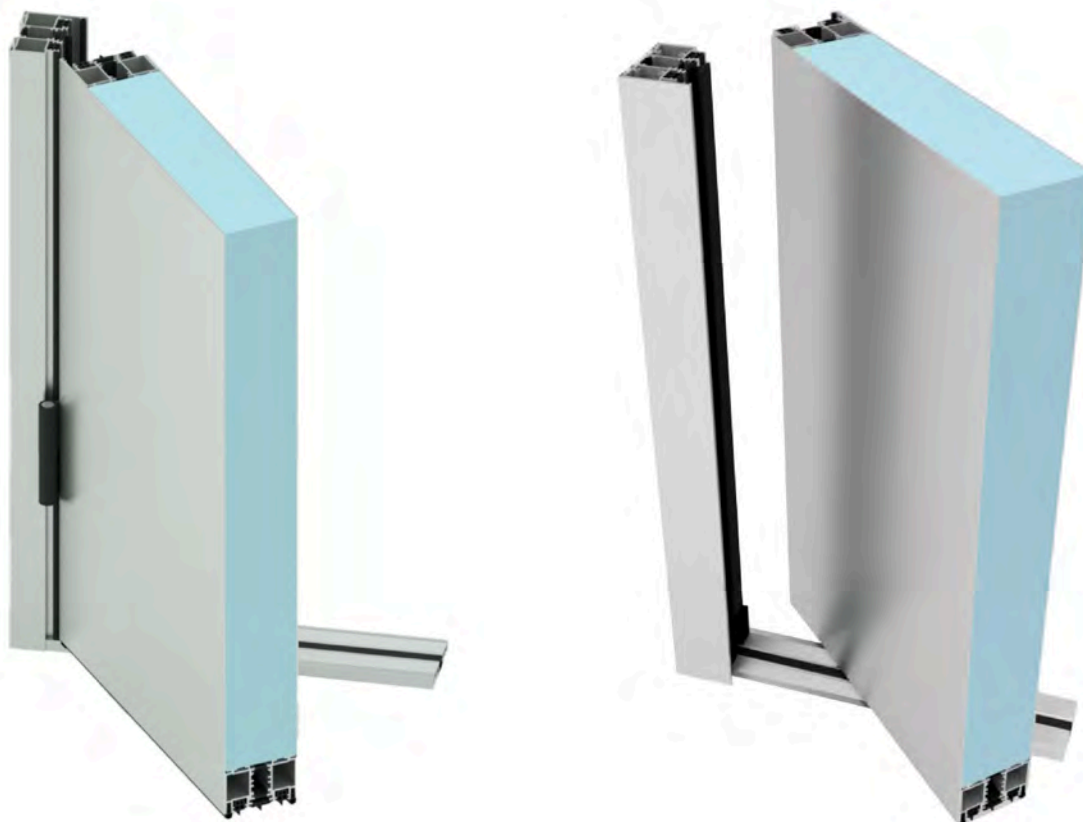
Para fixa o da Pe a Fix Dobradi a Oculta  
Material: Inox | Acabamento: Inox

**290109** PARAFUSO DIN7982 4,8x19 A2



Para fixar os perfis  
IT93, LT93 e ST93 aos perfis IT12, LT12 e ST12  
Material: Inox | Acabamento: Inox

**290079** PARAFUSO DIN7504-P PH 4,8x50 A2



# IV

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

Tipologias com apainelados  
Typologies with panels  
Typologies avec panneaux

IV .1

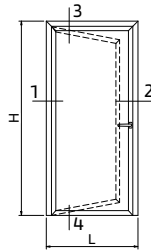
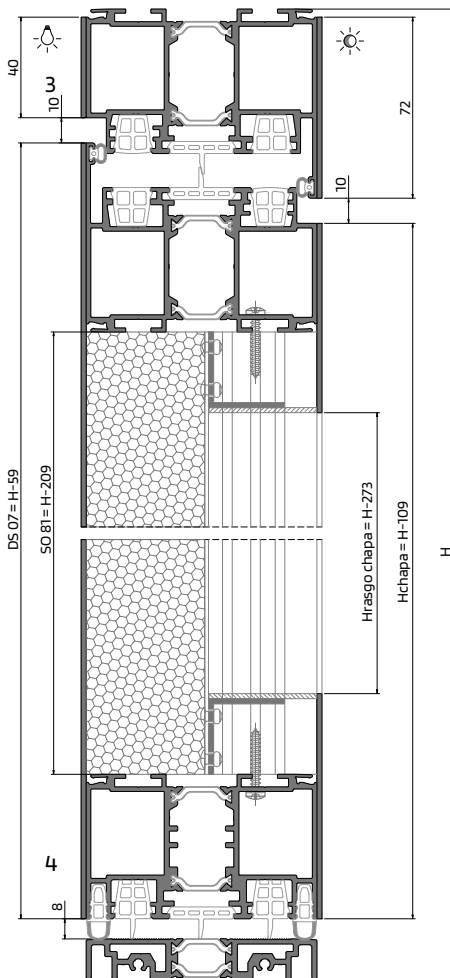
Tipologias com vidro  
Typologies with glass  
Typologies avec verre

IV .2

**PORTA DE 1 FOLHA DE ABERTURA PARA INTERIOR - COM DOBRADIÇA DS 2D**

1 SASH INWARD OPENING DOOR - WITH DOOR HINGE DS 2L

PORTE À 1 VANTAIL D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE PORTE DS 2L



PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 07	ARO FIXO FIXED FRAME   DORMANT	L	H	1+2	
DS 07	ARO MÓVEL MOBILE FR.   OUVRANT	L-103	H-59	1+2	
DS 04	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-209	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	*	L-85	-	1

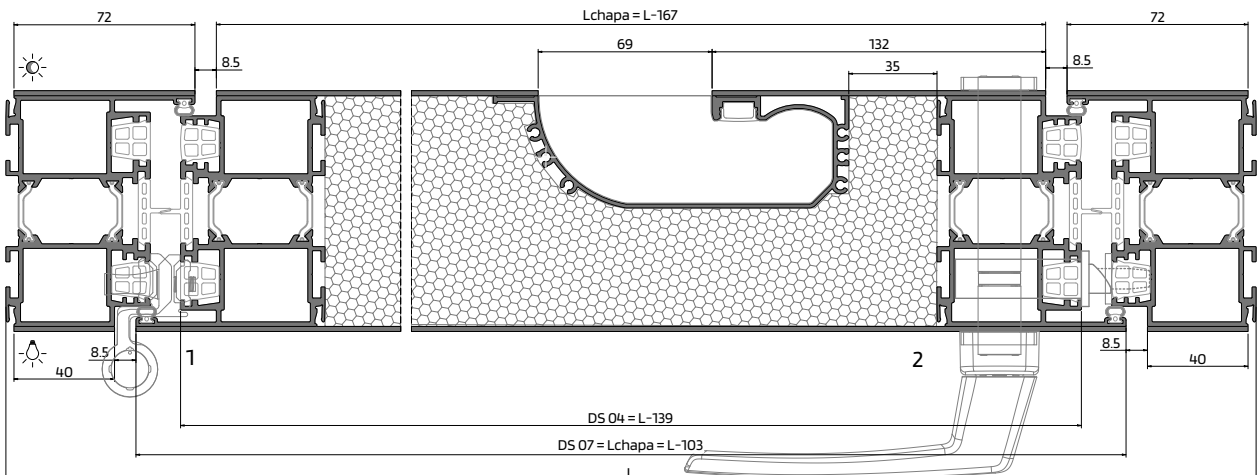
\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉQUERRÉ	12
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PAUMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK-PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
280042	TESTA CENTRAL FECHADURA M2 STRICKING PLATE   GÂCHE	1
280043	TESTA INF./SUP. FECHADURA M2 STRICKING PLATE   GÂCHE	2
210507	TOPO SUP./INF. LATERAL DS DIREITO   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP./INF. LATERAL DS ESQUERDO   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL-TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL-TOP   SEUIL DE CAISSE DROIT DS	1
212449	CONJ. TOPOS SO 81 N°2 END-CAP KIT   KIT D'EMBOUT	1
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	4
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILE	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	1 **
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   VIS	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4 *
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L





**PORTA PIVOTANTE 1 FOLHA**  
1 SASH PIVOTING DOOR  
PORTE PIVOTANT 1 VANTAIL

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPÉ
DS 04	ARO FIXO FIXED FRAME   DORMANT	L	-	1	
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	H-57	2	
DS 07	ARO MÓVEL MOBILE FR   OUVRANT	-	H-55	2	
DS 04	ARO MÓVEL MOBILE FR   OUVRANT	L-139	-	2	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-206	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 06	ARO FIXO FIXED FRAME   DORMANT	*	H-73	2	
DS 49	SOLEIRA SILL   SEUIL	*	-	1	

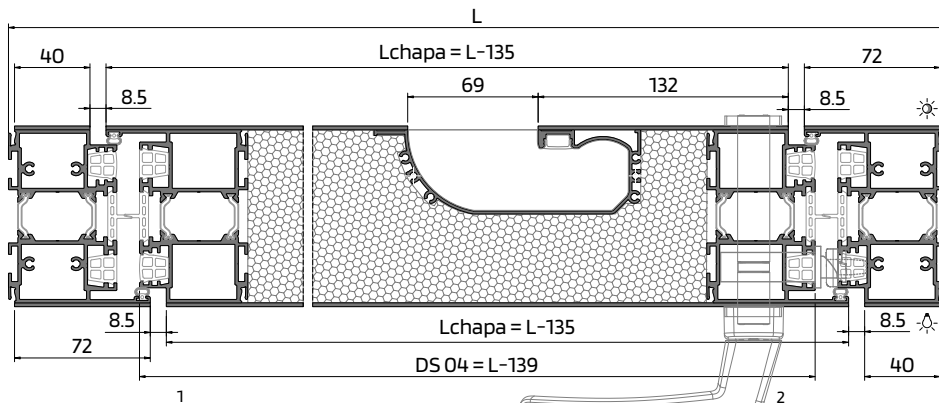
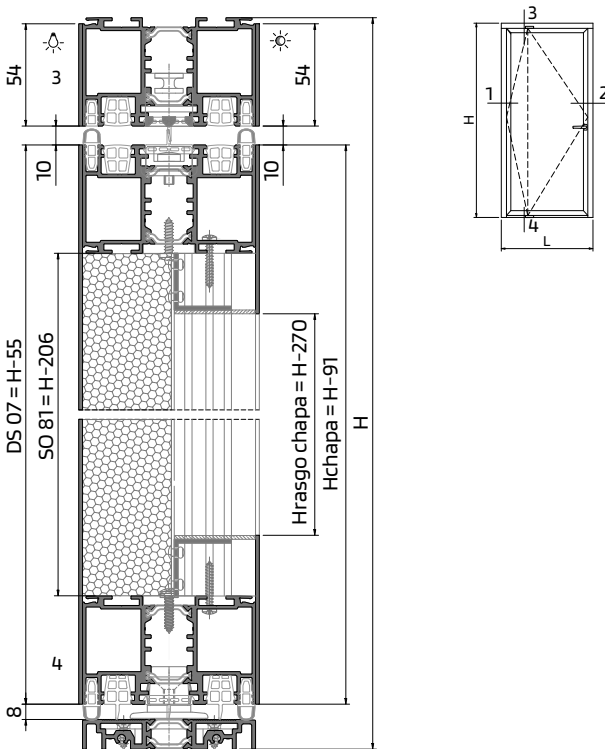
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLINDING BRACKET   LEUJERRE	8
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRICKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
227114	PIVOT DE CHÃO 7471 AX FLOOR PIVOT   PIVOT DE SOL	1
212331	CONJ. SUPERIOR PIVOT 300KG TOP FLUSH HINGE   PIVOT SUPÉRIEUR	1
210121	BRAÇO INFERIOR PIVOT 300KG BOTTOM STRAP   BRAS DU BAS	1
215041	PEÇA FIXAÇÃO INOX DS Nº1   STAINLESS STEEL FIXING PIECE DS Nº1   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº1	2
215042	PEÇA FIXAÇÃO INOX DS Nº2   STAINLESS STEEL FIXING PIECE DS Nº2   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº2	1
215043	PEÇA FIXAÇÃO INOX DS Nº3   STAINLESS STEEL FIXING PIECE DS Nº3   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº3	1
210507	TOPO SUP./INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP./INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	2
212449	CONJ. TOPOS SO 81 Nº2 END-CAP KIT   KIT D'EMBOUT	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
212415	CONJ. CALÇOS FIX. ARO FIXO DS   FIXED SHIM KIT   JEU DE CALÈS FIXES	1
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILÉ   PROFILÉ	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M) RIBTE PARA LED   BRANCA   LED STRIP TAPE   BRANCA   LED	1 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	4
290480	PARAFUSO CX UMB. M5X16 INOX A2 SCREW   VIS	6
290148	PARAFUSO CX UMB. M5X50 INOX A2 SCREW   VIS	4
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   VIS	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2X10 CQ SCREW   VIS	4
290168	PARAFUSO CX 5/8X10 INOX A2 SCREW   VIS	2
290506	PARAFUSO PKI PH 3/4X10 CQ SCREW   VIS	7
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   VIS	5
290030	PARAFUSO DIN 7981 4,2x38 INOX A2 SCREW   VIS	8
290079	PARAFUSO DIN 7504-P PH 4,8x50 INOX A2 SCREW   VIS	16*
		20

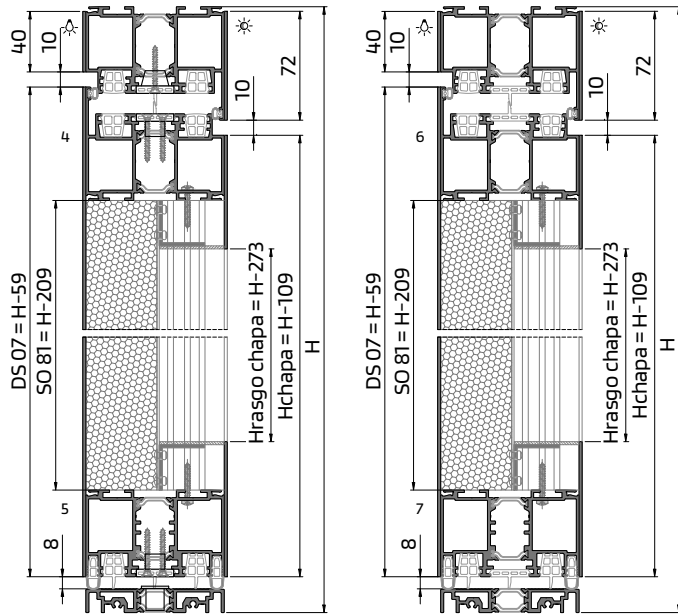
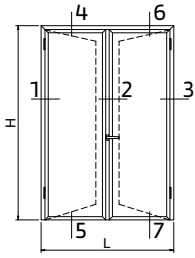
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323 em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	4L
208361	VD 2182 DS	2L



**PORTA DE 2 FOLHAS DE ABERTURA PARA INTERIOR - COM DOBRADIÇA DS 2D**  
2 SASHES INWARD OPENING DOOR - WITH DOOR HING DS 2L  
PORTE À 2 VANTAUX D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE PORTE DS 2L



VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+6H
208227	VD 2287 DS	3L+6H
208359	VD2180 DS	4L+12H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H2	1+2	
DS 07	ARO MÓVEL MOBILE FR.   OUVRANT	Lsup. = (L-80)/2	H-59	2+4	
DS 04	ARO MÓVEL MOBILE FR.   OUVRANT	Linf. = (L-151)/2	-	2	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-209	2	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	*	L-85	-	1

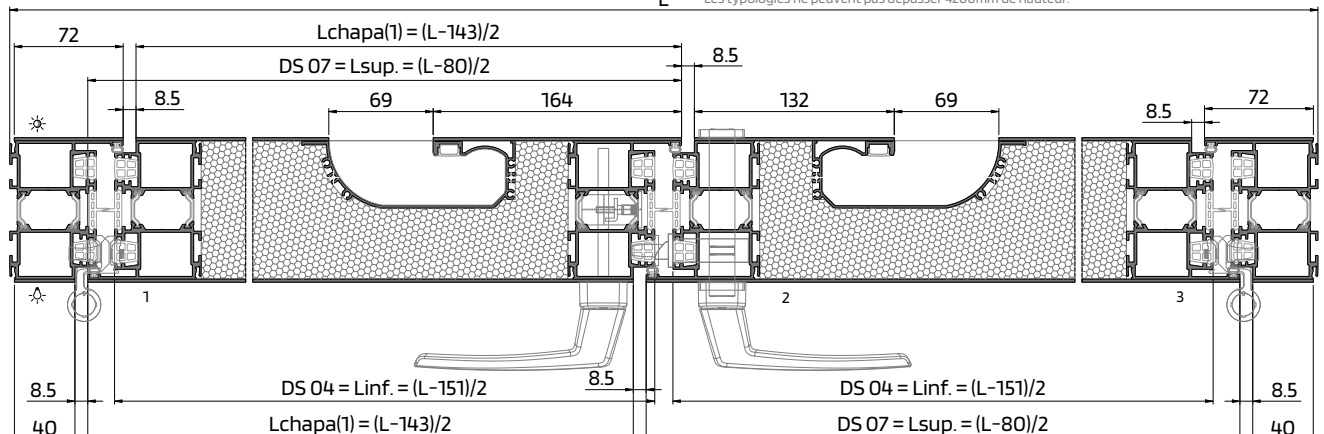
\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLINDING HARDWARE GUIDE   GUIDE POUR SERRURE	20
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PAUMELLE	4
201112	FECHADURA 3 PONTOS M2 35MM   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRIKING PLATE   GÂCHE	1
280043	TESTA INF./SUP. FECHADURA M2 STRIKING PLATE   GÂCHE	2
201180	FECHADURA DE TRANCAS   LOCKER   SERRURE	1 ***
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	2
203303	COPO SUP./INF. FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
207128	GUIA FECHADURA TRANCAS DS   LOCKING HARDWARE GUIDE   GUIDE POUR SERRURE	2
203304	COPO INF. FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
210507	TOPO SUP./INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	4
210508	TOPO SUP./INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	4
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212449	CONJ. TOPOS SO 81 N°2 END-CAP KIT   KIT D'EMBOUT	2
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optionnel
212417	CONJ. TOPOS SUPERIORES 2 FOLHAS DS   2 SASHES UPPER END-CAP KIT   KIT D'EMBOUT SUPERIEUR 2 VANTAUX	4
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILE	2 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	1 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	8
212017	CONJ. FIXAÇÃO FERRAGEM MULTI-PONTO   MULTIPOINT HARD FIX. KIT   KIT FIX. FERRUBE MULTIPONT - fixação da fech. trancas 201180	2
290271	PARAFUSO DIN 7981 3,9x25 A2 SCREW   VIS - fixação perfil puxador SO 81	8
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS - fixação dos topos soleira ao perfil DS v9	4
290080	PARAFUSO DIN 7982 PH 3,5x32 INOX A2 SCREW   VIS - fixação guias fech. trancas 207128 e copo 203303	6
290030	PARAFUSO DIN 7981 4,2x38 INOX A2 SCREW   VIS - fixação DS 07 a DS v9	4 *
290079	PARAFUSO DIN 7504-P PH 4,8x50 INOX A2 SCREW   VIS - fixação da fechadura e testas	19

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

\*\*\* As tipologias não podem ultrapassar os 4200mm de altura.  
The typologies cannot exceed 4200mm in height.  
Les typologies ne peuvent pas dépasser 4200mm de hauteur.



**PORTA PIVOTANTE 2 FOLHAS**  
2 SASHES PIVOTING DOOR  
PORTE PIVOTANT 2 VANTAUX

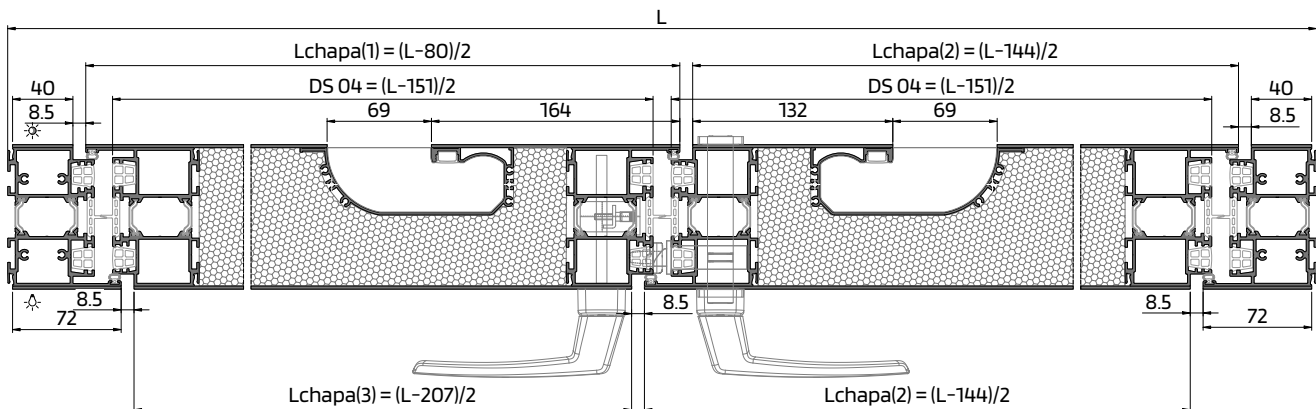
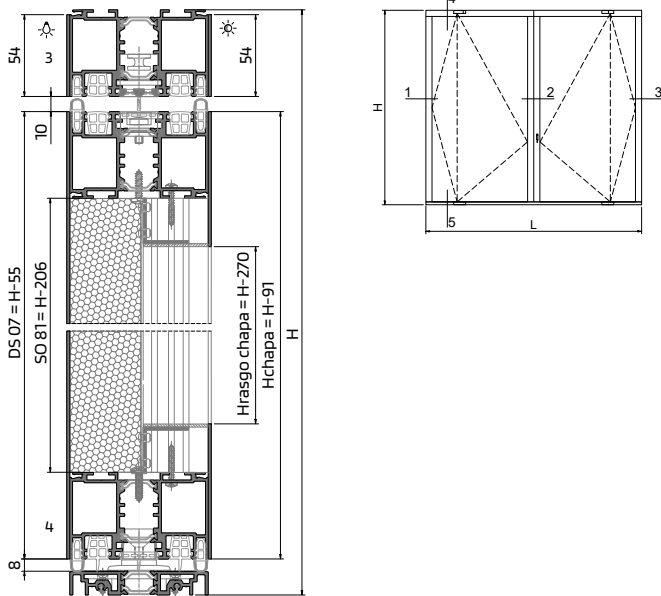
PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 04	ARO FIXO FIXED FRAME   DORMANT	L	-	1	
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	H-57	2	
DS 07	ARO MÓVEL MOBILE FR   OUVRANT	-	H-55	4	
DS 04	ARO MÓVEL MOBILE FR   OUVRANT	(L-151)/2	-	4	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-206	2	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 06	ARO FIXO FIXED FRAME   DORMANT	*	H-73	2	
DS 49	SOLEIRA SILL   SEUIL	*	-	1	

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	6H
208227	VD 2287 DS	3L+6H
208359	VD2180 DS	6L+12H
208360	VD 2181 DS	4L
208353	VD 2130 DS	8L
208361	VD 2182 DS	2L

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉCARTERRE	16
201112	FECHADURA 3 PONTOS M2 35MM   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRICKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	2
227114	PIVOT DE CHÃO 7471 AX FLOOR PIVOT   PIVOT DE SOL	2
212331	CONJ. SUPERIOR PIVOT 300KG TOP PIVOT SUPPLY   PIVOT SUPÉRIEUR	2
210121	BRAÇO INFERIOR PIVOT 300KG BOTTOM STRAP   BRAS DU BAS	2
215041	PEÇA FIXAÇÃO INOX DS Nº1   STAINLESS STEEL FIXING PIECE DS Nº1   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº1	4
215042	PEÇA FIXAÇÃO INOX DS Nº2   STAINLESS STEEL FIXING PIECE DS Nº2   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº2	2
215043	PEÇA FIXAÇÃO INOX DS Nº3   STAINLESS STEEL FIXING PIECE DS Nº3   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº3	2
210507	TOPO SUP / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	4
210508	TOPO SUP / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	4
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212449	CONJ. TOPOS SO 81 N°2 END-CAP KIT   KIT D'EMBOUT	2
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
212415	CONJ. CALÇOS FIX. ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	1
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILÉ	2 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	2 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	8
201180	FECHADURA DE TRANCAS   LOCKER   SERRURE	1 ***
203303	COPO SUP/INF FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
207128	GUIA FECHADURA TRANCAS DS   LOCKING HARDWARE GUIDE   GUIDE POUR SERRURE	2
203304	COPO INF FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
290480	PARAFUSO CX UMB. M5X16 INOX A2 SCREW   IVIS	12
290148	PARAFUSO CX UMB. M5X50 INOX A2 SCREW   IVIS	8
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   IVIS	8
290262	PARAFUSO PAR 003 PK INOX PH 11/2X10 CQ SCREW   IVIS	4
290168	PARAFUSO CX 5/8X10 INOX A2 SCREW   IVIS	4
290506	PARAFUSO PKI PH 3/4X10 CQ SCREW   IVIS	14
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   IVIS	10
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   IVIS	8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   IVIS	16*
212017	CONJ. FIXAÇÃO FERRAGEM MULTI-PONTO   MULTIPOINT HARD FIX. KIT   KIT FIX. FERRURE MUL TIPOINT	2
290080	PARAFUSO DIN7982 PH 3,5X32 INOX A2 SCREW   IVIS	6

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.  
\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.



PORTA DE 1 FOLHA DE ABERTURA PARA INTERIOR - C/ DOB. OCULTA E SISTEMA ABERTURA INTELIGENTE  
1 SASH INWARD OPENING DOOR - WITH CONCEALED HINGE AND SMART OPENING SYSTEM  
PORTE À 1 VANTAIL D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE CACHÉE ET SYSTÈME D'OUVERTURE INTELLIGENT

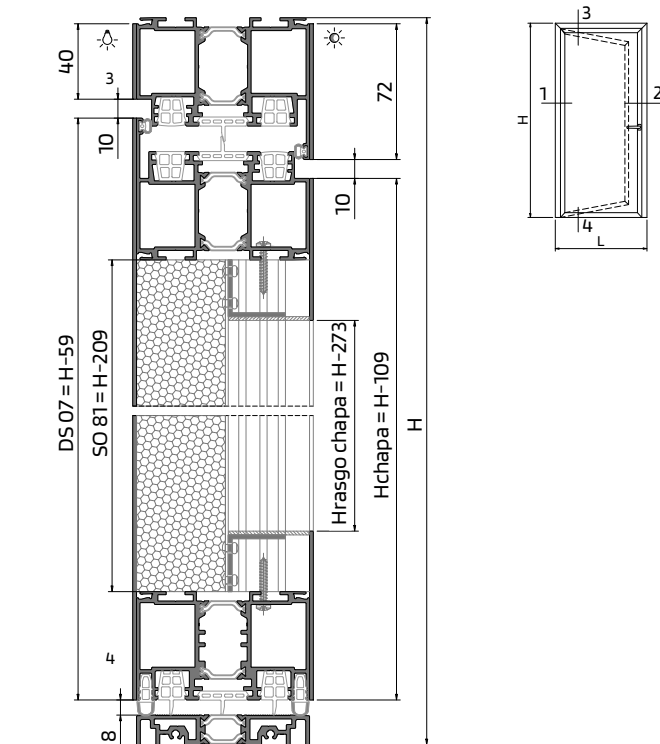
PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPÉ
DS 07	ARO FIXO FIXED FRAME   DORMANT	L	H	1+2	
DS 07	ARO MÓVEL MOBILE FR   OUVRANT	L-103	H-59	1+2	
DS 04	ARO MÓVEL MOBILE FR   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-209	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	*	L-85	-	1

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

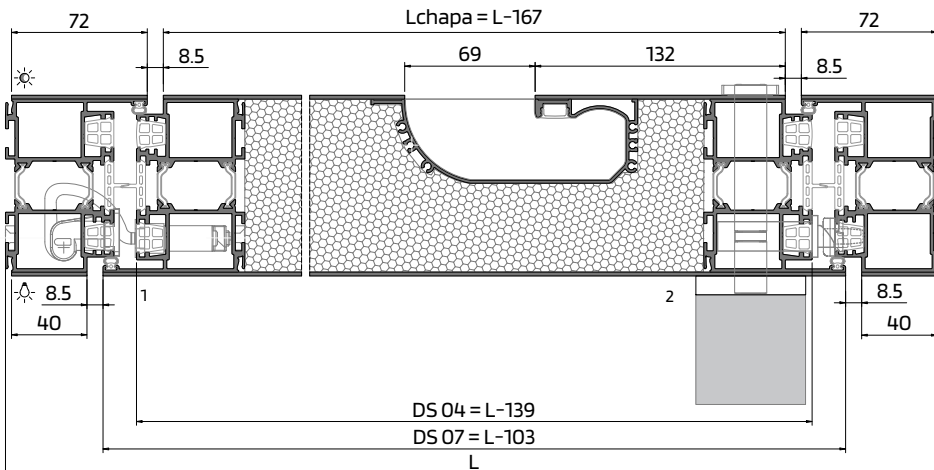
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BUCKING BRACKET   ÉCOURBÉE	12
202109	DOBRADIÇA OCULTA SOLID   HINGE   PAUMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRICKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	1
299120	SISTEMA ABERTURA INTELIGENTE LINUS PRETO SMART OPENING SYSTEM   SYSTÈME D'OUVERTURE INTELLIGENT	1
218161	CALÇO AB. INTERIOR P/ LINUS	1
299121	TECLADO LINUS KEYBOARD   CLAVIER	1
299122	REPETIDOR WIFI LINUS WIFI BRIDGE   PONT WI-FI	1
210507	TOPO SUP / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
215504	PEÇA DE FIXAÇÃO DOB. OCULTA SOLID   CONCEALED HINGE FIXING PIECE   PIÈCE DE FIXATION DE LA CHARNIÈRE CACHÉE	8
212449	CONJ. TOPOS SO 81 N°2 END-CAP KIT   KIT D'EMBOUT	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILÉ	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	1 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	4
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   VIS	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290109	PARAFUSO DIN 7982 4,8X19 INOX A2 SCREW   VIS	16
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   VIS	12
290030	PARAFUSO DIN 7981 4,2x38 INOX A2 SCREW   VIS	4 *
290079	PARAFUSO DIN 7504-P PH 4,8x50 INOX A2 SCREW   VIS	20

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.



VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L



**PORTA DE 1 FOLHA DE ABERTURA PARA EXTERIOR - C/ DOB. OCULTA E SISTEMA ABERTURA INTELIGENTE**  
1 SASH OUTWARD OPENING DOOR - WITH CONCEALED HINGE AND SMART OPENING SYSTEM  
PORTE À 1 VANTAIL D'OUVERTURE VERS L'EXTÉRIEUR - AVEC PAUMELLE CACHÉE ET SYSTÈME D'OUVERTURE INTELLIGENT

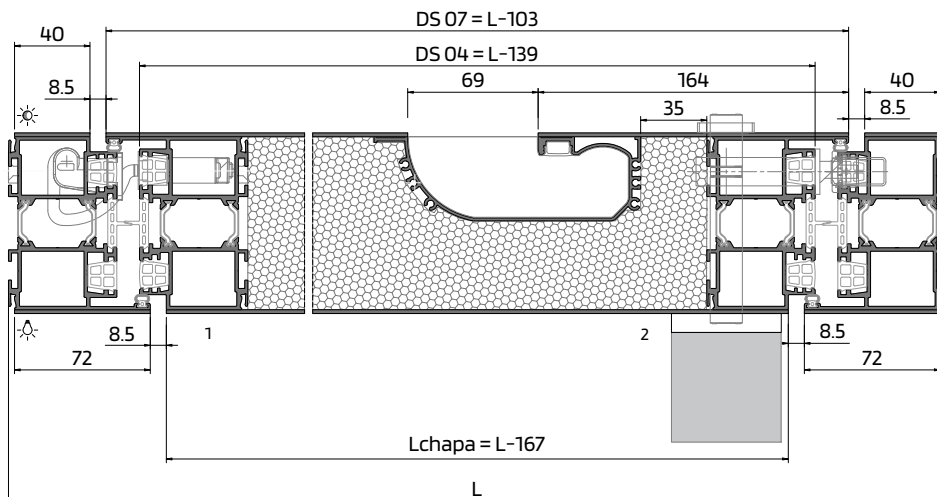
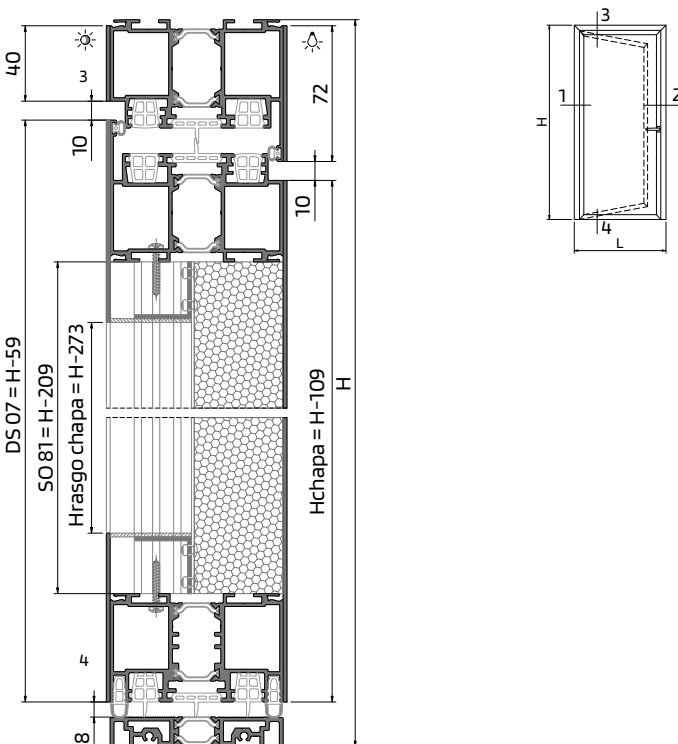
PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
DS 07	ARO FIXO FIXED FRAME   DORMANT	L	H	1+2	
DS 07	ARO MÓVEL MOBILE FR.   OUVRANT	L-103	H-59	1+2	
DS 04	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-209	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L-85	-	1	

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BUCKING BRACKET   ÉCOURBE	12
202109	DOBADIÇA OCULTA SOLID   HINGE   PAUMELLE	2
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	1
201109	FECHADURA 3 PONTOS 4E5 50MM   LOCKER   SERRURE	1
280038	TESTA CENTRAL REGULÁVEL 184 PRT STRICKING PLATE   GÂCHE	1
280039	TESTA SUP. / INF. REGULÁVEL 2965 PRT	2
203307	COPO PEQ. P/ TESTA 184 PRT   SMALL RECESSED LOCK END-CAP   EMBOUT PETIT À ENCASTREUR POUR SERRURE	1
203308	COPO P/ TESTA 2965 E 184 PRT   RECESSED LOCK END-CAP   EMBOUT À ENCASTREUR POUR SERRURE	3
299120	SISTEMA ABERTURA INTELIGENTE LINUS PRETO SMART OPENING SYSTEM   SYSTÈME D'OUVERTURE INTELLIGENT	1
218161	CALÇO AB. INTERIOR P/ LINUS SHIM   CALE	1
299121	TECLADO LINUS KEYBOARD   CLAVIER	1
299122	REPETIDOR WIFI LINUS WIFI BRIDGE   PONT WI-FI	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
215504	PEÇA DE FIXAÇÃO DOB. OCULTA SOLID   CONCEALED HINGE FIXING PIECE   PIÈCE DE FIXATION DE LA CHARNIÈRE CACHÉE	8
212449	CONJ. TOPOS SO 81 Nº2 END-CAP KIT   KIT D'EMBOUT	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optionnel   Optionnel 4
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILE	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	1 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	4
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   VIS	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290109	PARAFUSO DIN7982 4,8X19 INOX A2 SCREW   VIS	16
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   VIS	12
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4 *
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	20

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.  
\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L



PORTA PIVOTANTE DE 1 FOLHA COM FECHADURA MOTORIZADA

1 SASH PIVOTING DOOR WITH MOTORISED LOCKING SYSTEM

PORTE PIVOTANT 1 VANTAIL AVEC SYSTÈME DE VERROUILLAGE MOTORISÉ

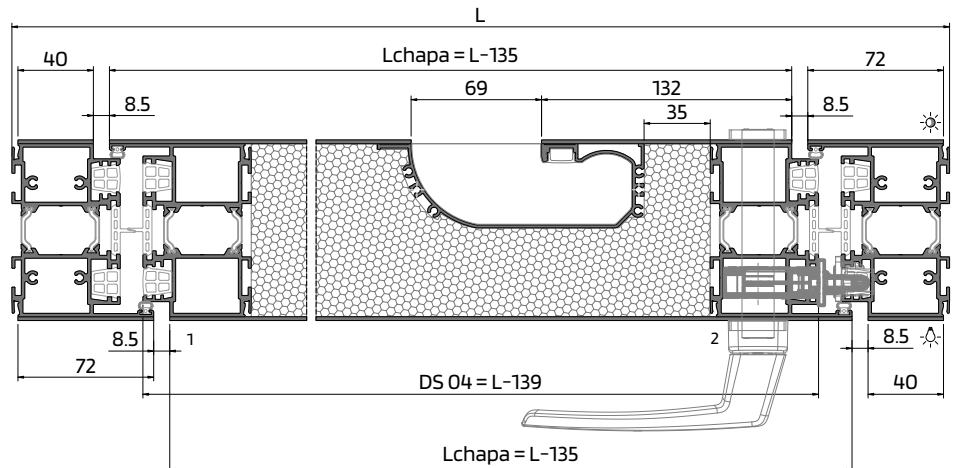
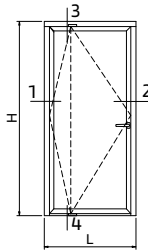
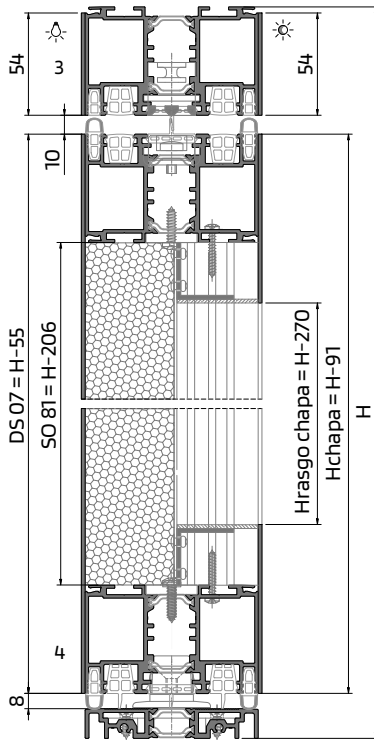
PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 04	ARO FIXO FIXED FRAME   DORMANT	L	-	1	
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	H-57	2	
DS 07	ARO MÓVEL MOBILE FR   LOUVRANT	-	H-55	2	
DS 04	ARO MÓVEL MOBILE FR   LOUVRANT	L-139	-	2	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-206	1	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 06	ARO FIXO FIXED FRAME   DORMANT	*	H-73	2	
DS 49	SOLEIRA SILL   SEUIL	*	-	1	

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	4L
208361	VD 2182 DS	2L

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D I	8
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
201123	FECHADURA T24 E92 EM35 PZ M-TS   LOCKER   SERRURE	1
280051	TESTA CENTRAL T4 3MM ESQ. STRICKING PLATE   GÂCHE	1
280052	TESTA INF./ SUP. M-TS 3MM STRICKING PLATE   GÂCHE	2
203310	COPO P/ TESTA CENTRAL MT-S   CENTRAL RECESSED LOCK END-CAP   EMBOUT CENTRAL À ENCASTRER POUR SERRURE	1
214013	BASE MAGNETICO ANILHA M-TS M-TS MAGNETIC BASE RING   BASE MAGNETIQUE ANNEAU M-TS	1
228252	MAGNETICO ANILHA 2MM M-TS MAGNETIC BASE RING M-TS   MAGNETIQUE ANNEAU 2MM M-TS	1
299617	CABO CONECTOR 150MM MT-S CONNECTOR CABLE   CÂBLE DE CONNEXION	1
227114	PIVOT DE CHÃO 7471 AX FLOOR PIVOT   PIVOT DE SOL	1
212331	CONJ. SUPERIOR PIVOT 300KG TOP FLUSH HINGE   PIVOT SUPÉRIEUR	1
210121	BRAÇO INFERIOR PIVOT 300KG BOTTOM STRAP   BRAS DU BAS	1
215041	PEÇA FIXAÇÃO INOX DS Nº1   STAINLESS STEEL FIXING PIECE DS Nº1   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº1	2
215042	PEÇA FIXAÇÃO INOX DS Nº2   STAINLESS STEEL FIXING PIECE DS Nº2   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº2	1
215043	PEÇA FIXAÇÃO INOX DS Nº3   STAINLESS STEEL FIXING PIECE DS Nº3   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº3	1
210507	TOPO SUP./ INF. LATERAL DS DIR. I END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP./ INF. LATERAL DS ESQ. I END-CAP KIT   KIT D'EMBOUT	2
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL À GAUCHE DROIT DS	2
212449	CONJ. TOPOS SO 81 Nº2 END-CAP KIT   KIT D'EMBOUT	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
212415	CONJ. CALÇOS FIX. ARO FIXO DS   FIXED SHIM KIT   JEU DE CALES FIXES	1
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILÉ	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M) LED TAPE   RUBAN LED	1 **
213306	ÂNGULO REMATE CENTRAL CENTRE ANGLE   ANGLE DE TIR CENTRAL	4
290480	PARAFUSO CX UMB. M5X16 INOX A2 SCREW   VIS para fixação do pivot superior 212331	6
290148	PARAFUSO CX UMB. M5X50 INOX A2 SCREW   VIS para fixação do braço superior 212331	4
290271	PARAFUSO DIN 7981 3,9X25 A2 SCREW   VIS fixação perfil puxador SO 81	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2X10 CQ SCREW   VIS fixação topos soleira a DS 49	4
290168	PARAFUSO CX 5/8X10 INOX A2 SCREW   VIS para fixação do pivot chao 227114	2
290506	PARAFUSO PKI PH 3/4X10 CQ SCREW   VIS para as peças fixação 215042 (A) e 215043 (B)	7
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   VIS para fixação do braço inferior 210121	5
290081	PARAFUSO DIN7982 PH 4.2x32 INOX A2 SCREW   VIS para fixação das testas e fechaduras	24
290030	PARAFUSO DIN7981 4.2x38 INOX A2 SCREW   VIS fixação DS 06 a DS 04 (B) e DS 04 a DS 06 a DS 49 (B)	8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS fixação da fechadura e testas	16*

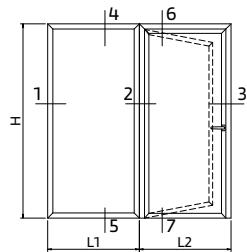
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.  
\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.



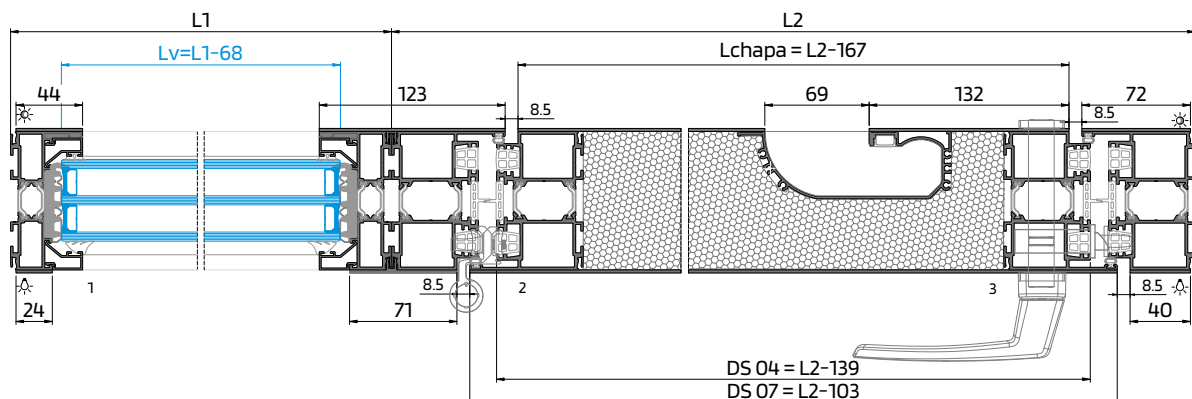
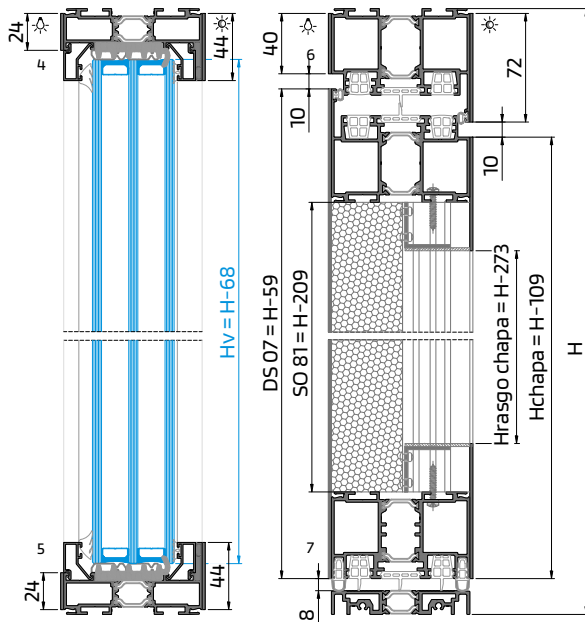
**PORTA DE 1 FOLHA COM FIXO LATERAL - LINHA RETA - ABERTURA PARA INTERIOR COM PUXADOR SO 81**  
1 SASH DOOR WITH LATERAL FIXED FRAME - STRAIGHT LINE - INWARD OPENING WITH SO 81 HANDLE  
PORTE À 1 VANTAIL AVEC CÔTÉ FIXE - LIGNE DROITE - OUVERTURE VERS L'INTÉRIEUR AVEC POIGNÉE SO 81

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL DÉTAIL HORIZONT.	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPÉ
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H	1+2	
DS 01	ARO FIXO FIXED FRAME   DORMANT	L1	H	2+2	
DS 07	ARO MÓVEL MOBILE FR.   OUVRANT	L2-103	H-59	1+2	
DS 04	ARO MÓVEL MOBILE FR.   OUVRANT	L2-139	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	L1-56	H-96	variável
SO 81	PUXADOR EMBUTIDO BUILT-IN HANDLE   POIGNÉE INTÉGRÉE	-	H-209	1	
DS 49	SOLEIRA SILL   SEUIL	L2-170	-	1	
KE 45	PERFIL REMATE TRIM PROFILE   PROFIL DE FINITION	-	H-6	2	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	*	L2-85	-	1

- \* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.
- \*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclose.



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L1-68	H-68



ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉQUERRE	12
204178	ESQUADRO DS 2914-D BLOCKING BRACKET   ÉQUERRE	8
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PALMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRIKING PLATE   GÂCHE	1
280043	TESTA INF. / SUP. FECHADURA M2 STRIKING PLATE   GÂCHE	2
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212449	CONJ. TOPOS SO 81 N°2 END-CAP KIT   KIT D'EMBOUT	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT	Opcional   Optional   Optionnel
215995	PERFIL DIFUSOR LED PP 2118 (4M) PROFILE   PROFILE	1 **
221122	FITA LED IP65 24V/8W BRANCA (5M)	1 **
213306	ÂNGULO REMATE CENTRAL CENTRAL ANGLE   ANGLE DE TIR CENTRAL	4
290271	PARAFUSO DIN 7981 3,9x25 A2 SCREW   VIS	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4 *
290030	PARAFUSO AT/PF DIN7504-N 4,8x25 INOX A2 SCREW   VIS	mín. 8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19
218194	CALÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

- \* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.
- \*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.  
En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171	2L1+2H
208503	ou   or   ou VD 2170	2L1+2H
208182	VD 2090	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L1+2H

**PORTA DE 1 FOLHA DE ABERTURA PARA INTERIOR - COM DOBRADIÇA DS 2L**

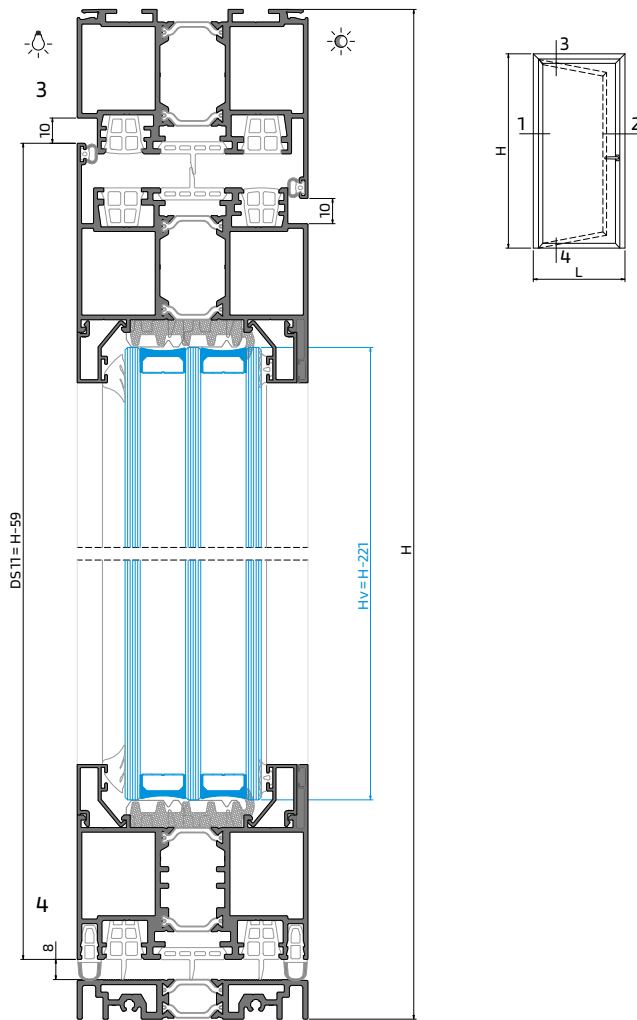
1 SASH INWARD OPENING DOOR - WITH DOOR HING DS 2L

PORTE À 1 VANTAIL D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE PORTE DS 2L

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL DÉTAIL HORIZONT.	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
DS 07	ARO FIXO FIXED FRAME   DORMANT	L	H	1+2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	L-103	H-59	1+2	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	L-254	H-250	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L-85	*	-	1

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

\*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclose.

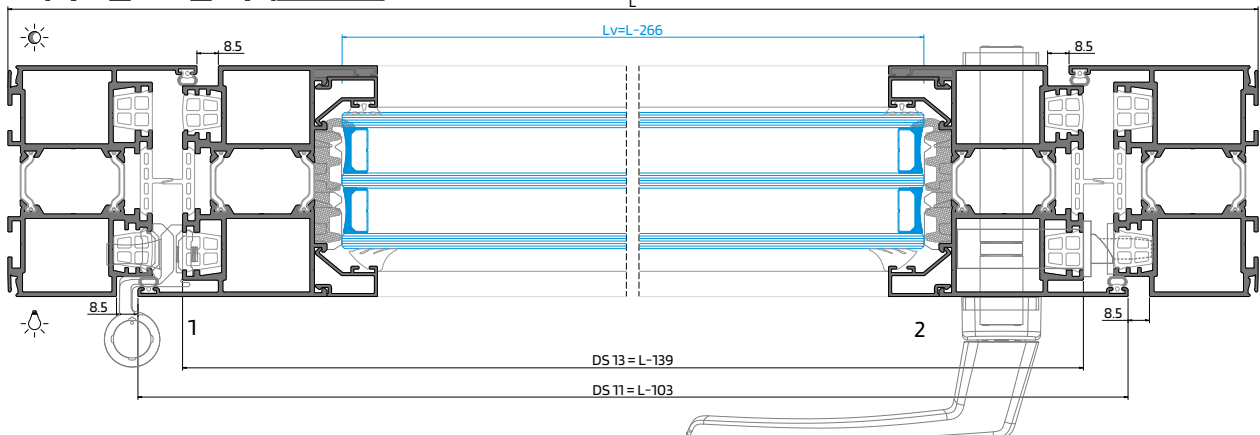


ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉQUERRE	12
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PAUMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRIKING PLATE   GÂCHE	1
280043	TESTA INF. / SUP. FECHADURA M2 STRIKING PLATE   GÂCHE	2
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
210507	TOPO SUP. / INF. LATERAL DS DIREITO   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP. / INF. LATERAL DS ESQUERDO   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   4   Optionnel
290262	PARAFUSO PAR 003 PK INOX PH 1 1/2x10 CQ SCREW   VIS	4
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4*
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19
218194	CAÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171	2L+2H
208503	ou   or   ou VD 2170	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
208182	VD 2090	2L+2H

MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-266	H-221

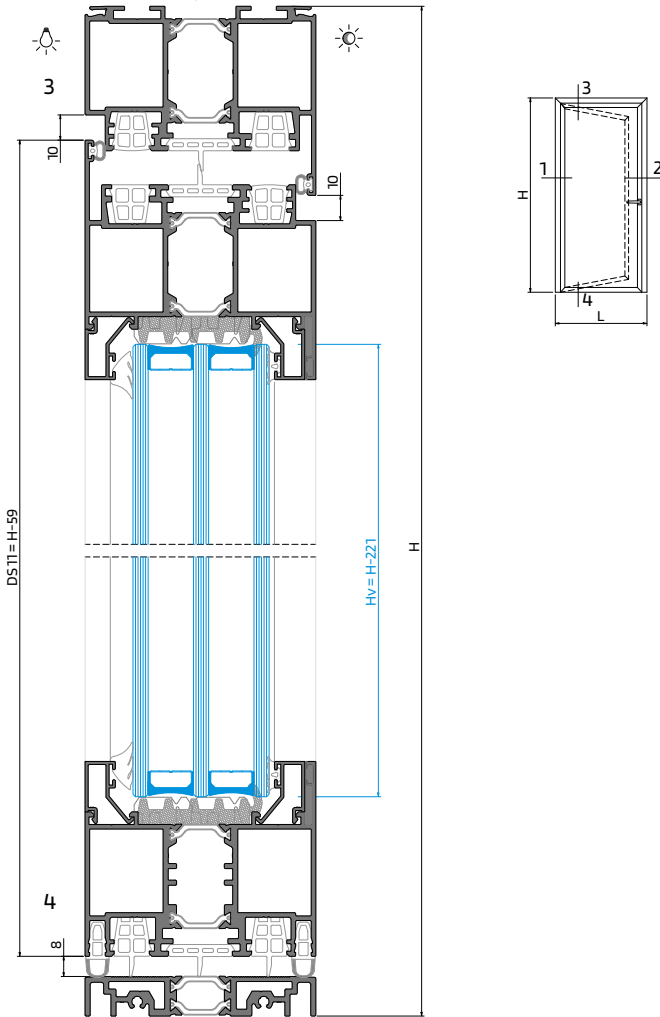


**PORTA DE 1 FOLHA DE ABERTURA PARA INTERIOR - COM DOBRADIÇA OCULTA**  
1 SASH INWARD OPENING DOOR - WITH CONCEALED HINGE  
PORTE À 1 VANTAIL D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE CACHÉE

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPÉ
DS 07	ARO FIXO FIXED FRAME   DORMANT	L	H	1+2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	L-103	H-59	1+2	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	L-254	H-250	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L-85	*	-	1

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

\*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclose.

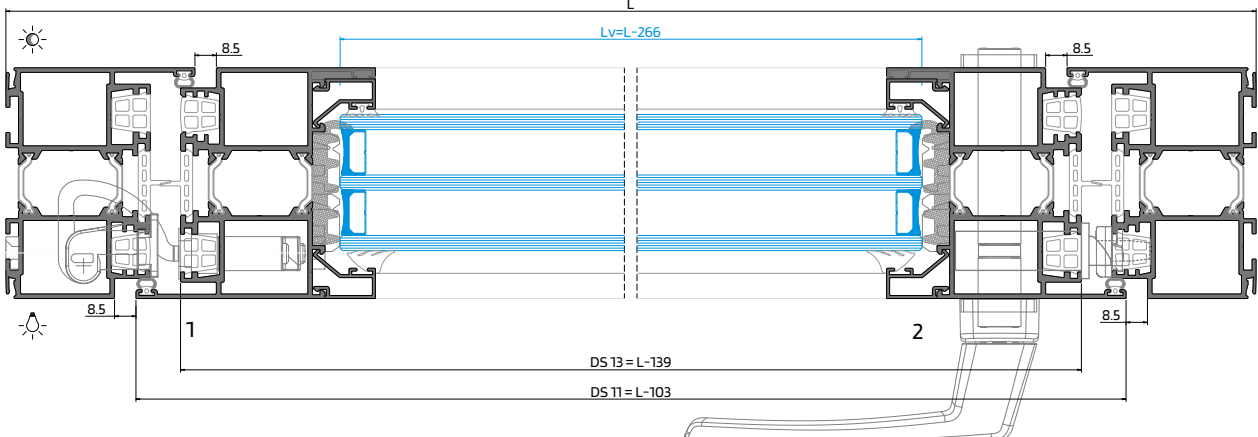


ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BUCKLING BRACKET   LÉOUBERF	12
202109	DOBRADIÇA OCULTA SOLID   HINGE   PAUMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRIKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOÛT	2
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOÛT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
215504	PEÇA DE FIXAÇÃO DOB. OCULTA SOLID   CONCEALED HINGE FIXING PIECE   PIÈCE DE FIXATION DE LA CHARNIÈRE CACHÉE	8
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT	Opcional   Optionnel   Optionnel 4
290262	PARAFUSO PAR 003 PK INOX PH 1 1/2x10 CQ SCREW   VIS	4
290109	PARAFUSO DIN7982 4.8X19 INOX A2 SCREW   VIS	16
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   VIS	12
290030	PARAFUSO DIN7981 4.2x38 INOX A2 SCREW   VIS	4*
290079	PARAFUSO DIN7504-P PH 4.8x50 INOX A2 SCREW   VIS	20
218194	CALÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

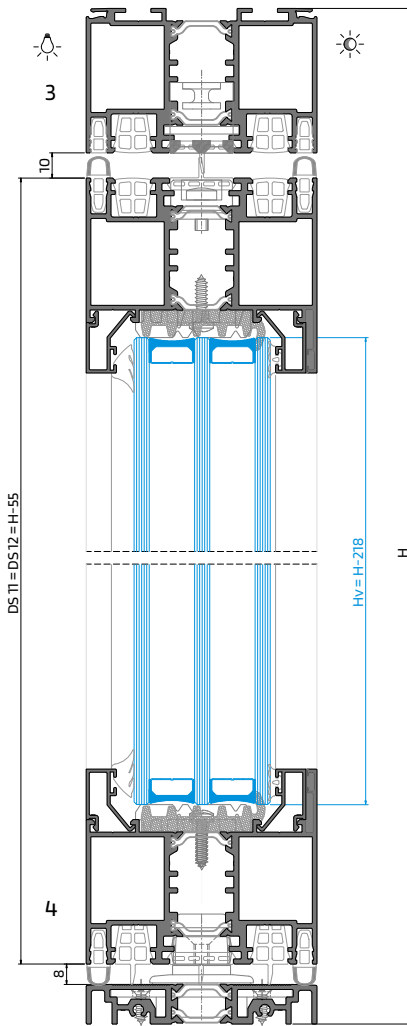
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171	2L+2H
208503	ou   or   ou VD 2170	
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
208182	VD 2090	2L+2H

MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-266	H-221



**PORTA PIVOTANTE 1 FOLHA**  
1 SASH PIVOTING DOOR  
PORTE PIVOTANT 1 VANTAIL



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRÉS	
Lvidro(mm) GLASS   VERRÉ	Hvidro(mm) GLASS   VERRÉ
L-266	H-218

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL DÉTAIL HORIZONT.	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
DS 04	ARO FIXO FIXED FRAME   DORMANT	L	-	1	
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	H-57	2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	-	H-55	1	
DS 12	ARO MÓVEL MOBILE FR.   OUVRANT	-	H-55	1	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	2	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITÉ GLAZING BEAD   PARCLOSE	**	L-254	H-247	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	* H-73	2	
DS 49	SOLEIRA SILL   SEUIL	L	*	-	1

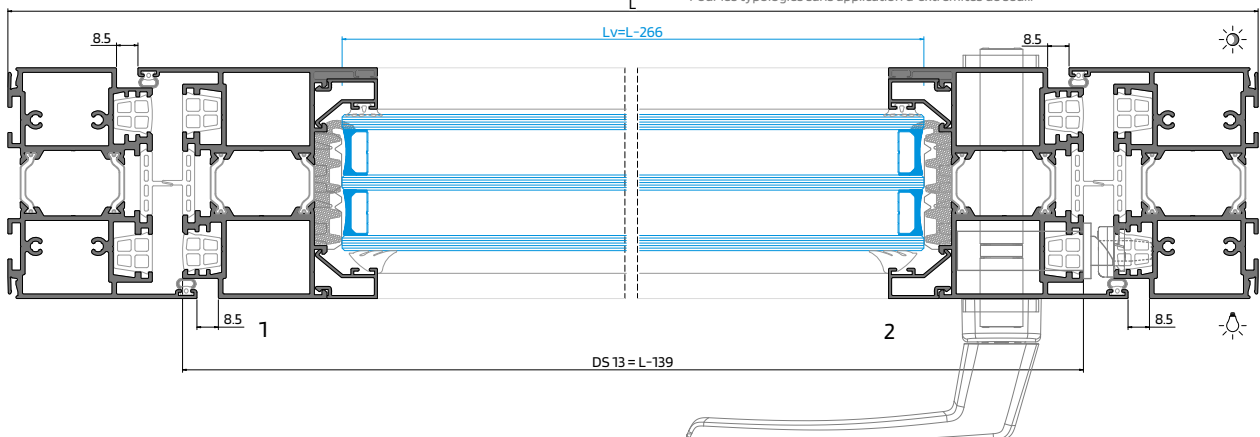
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Consultar tabelas de bités.  
Consult glazing beads table.  
Consulter les tableaux des parclozes.

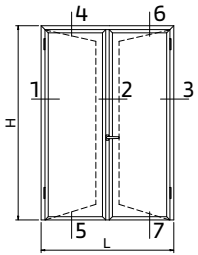
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BI LOCKING BRACKET   ÉQUIFERRE	8
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRIKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
227114	PIVOT DE CHÃO 7471 AX FLOOR PIVOT   PIVOT DE SOL	1
212331	CONJ. SUPERIOR PIVOT 300KG TOP FLUSH HINGE   PIVOT SUPÉRIEUR	1
210121	BRAÇO INFERIOR PIVOT 300KG BOTTOM STRAP   BRAS DU BAS	1
215041	PEÇA FIXAÇÃO INOX DS Nº1   STAINLESS STEEL FIXING PIECE DS Nº1   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº1	2
215042	PEÇA FIXAÇÃO INOX DS Nº2   STAINLESS STEEL FIXING PIECE DS Nº2   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº2	1
215043	PEÇA FIXAÇÃO INOX DS Nº3   STAINLESS STEEL FIXING PIECE DS Nº3   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº3	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	2
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
212415	CONJ. CALÇOS FIX. ARO FIXO DS   FIXED SHIM KIT   JEU DE CALES FIXES	1
290480	PARAFUSO CX UMB. M5X16 INOX A2 SCREW   I.V.S.	6
290148	PARAFUSO CX UMB. M5X50 INOX A2 SCREW   I.V.S.	4
290262	PARAFUSO PAR 003 PK INOX PH 11/2X10 CQ SCREW   I.V.S.	4
290168	PARAFUSO CX 5/8X10 INOX A2 SCREW   I.V.S.	2
290506	PARAFUSO PKI PH 3/4X10 CQ SCREW   I.V.S.	7
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   I.V.S.	5
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   I.V.S.	8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   I.V.S.	16*
218194	CAIÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRÉ	Diversos   Various   Divers

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

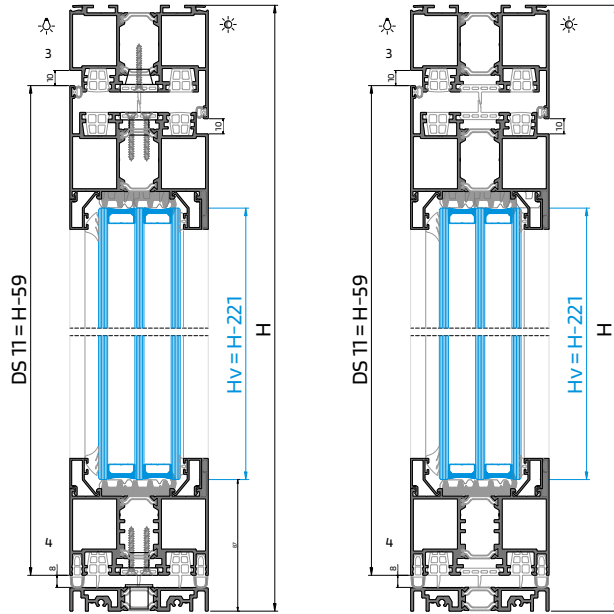
VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	4H
208227	VD 2287 DS	3L+4H
208359	VD 2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	4L
208361	VD 2182 DS	2L
208504	VD 2171 ou   or   ou VD 2170	2L+2H
208503	VD 2170	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
208182	VD 2090	2L+2H



**PORTA DE 2 FOLHAS DE ABERTURA PARA INTERIOR - COM DOBRADIÇA DS 2D**  
2 SASHES INWARD OPENING DOOR - WITH DOOR HING DS 2L  
PORTE À 2 VANTAUX D'OUVERTURE VERS L'INTÉRIEUR - AVEC PAUMELLE PORTE DS 2L



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
$(L-404)/2$	H-221



VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+6H
208227	VD 2287 DS	3L+6H
208359	VD2180 DS	4L+12H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171	2L+4H
208503	ou   or   ou VD 2170	
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+4H
208182	VD 2090	2L+4H

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H2	1+2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	$L_{sup.} = (L-80)/2$	H-59	2+3	
DS 12	ARO MÓVEL MOBILE FR.   OUVRANT	-	H-59	1	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	$L_{inf.} = (L-151)/2$	-	1+1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	$(L-382)/2$	H-250	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L-85	-	1	

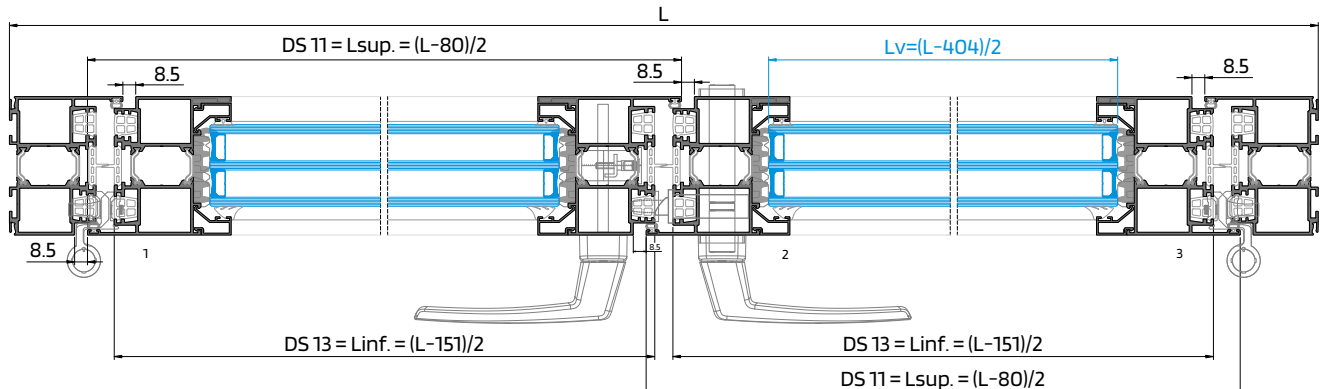
\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

\*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclose.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉCLOUVERBE	20
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PALMELLE	4
201112	FECHADURA 3 PONTOS M2 35MM   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRIKING PLATE   GÂCHE	1
280043	TESTA INF. / SUP. FECHADURA M2 STRIKING PLATE   GÂCHE	2
201180	FECHADURA DE TRANCAS   LOCKER   SERRURE	1**
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	2
203303	COPO SUP/INF FECH. TRANCAS OS-P LOCK ACCESS.   ACCESS. POUR SERRURE	1
207128	GUIA FECHADURA TRANCAS DS   LOCKING HARDWARE GUIDE   GUIDE POUR SERRURE	2
203304	COPO INF FECH. TRANCAS OS-P LOCK ACCESS.   ACCESS. POUR SERRURE	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	4
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	4
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optional   Optionnel 4
212417	CONJ. TOPOS SUPERIORES 2 FOLHAS DS   2 SASHES UPPER END-CAP KIT   KIT D'EMBOUT 2 VANTAUX SUP.	1
212017	CONJ. FIXAÇÃO FERRAGEM MULTI-PONTO   MULTIPPOINT HARDWARE FIXING KIT   KIT FIXATION FERRURE MULTIPPOINT	2
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290080	PARAFUSO DIN7982 PH 3.5X32 INOX A2 SCREW   VIS	6
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4*
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19
218194	CAÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* As tipologias não podem ultrapassar os 4200mm de altura.  
The typologies cannot exceed 4200mm in height.  
Les typologies ne peuvent pas dépasser 4200mm de hauteur.



**PORTA DE 1 FOLHA COM FIXO LATERAL - LINHA RETA - ABERTURA PARA INTERIOR**

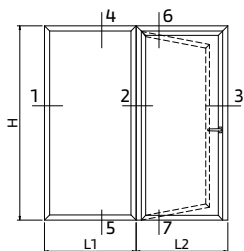
1 SASH DOOR WITH LATERAL FIXED FRAME - STRAIGHT LINE - INWARD OPENING

PORTE À 1 VANTAIL AVEC CÔTÉ FIXE - LIGNE DROITE - OUVERTURE VERS L'INTÉRIEUR

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONTAL DETAIL DÉTAIL HORIZONTAL	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H	1+2	
DS 01	ARO FIXO FIXED FRAME   DORMANT	L1	H	2+2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	L2-103	H-59	1+2	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	L2-139	-	1	
-	BITE GLAZING BEAD   PARCLOSE	** L1-56 L2-254	H-96 H-250	variável	
DS 49	SOLEIRA SILL   SEUIL	L2-170	-	1	
KE 45	PERFIL REMATE TRIM PROFILE   PROFIL DE FINITION	-	H-6	2	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L2-85 *	-	1	

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

\*\* Consultar tabelas de bites.  
Consult glazing beads table.

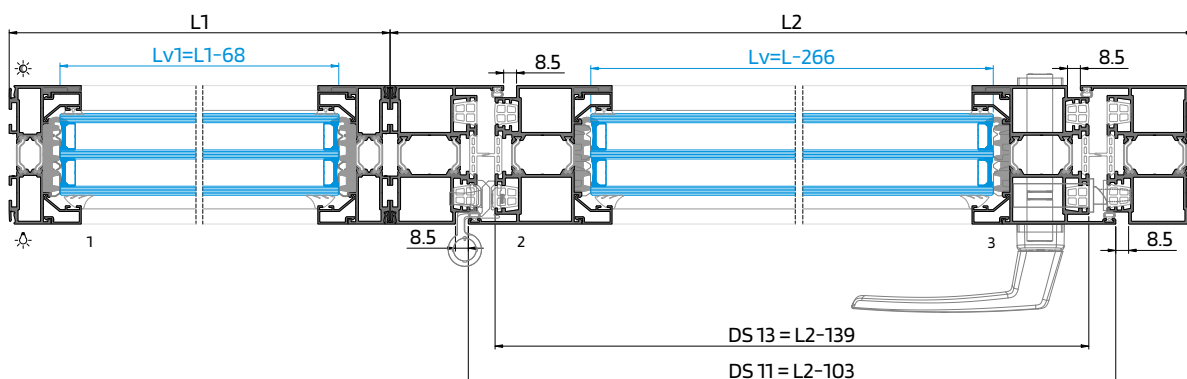
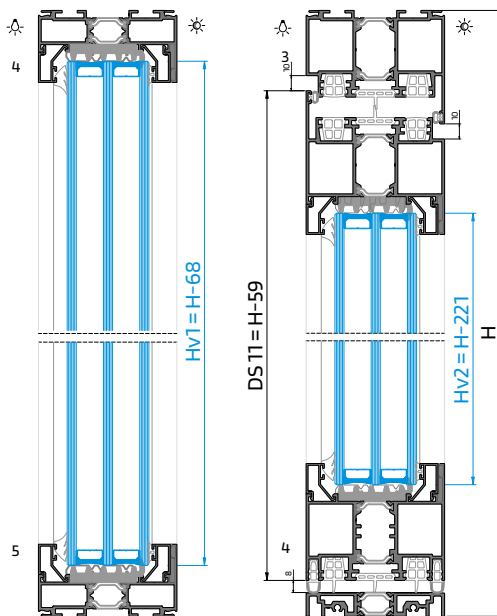


MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
Lv1= L1-68	Hv1= H-68
Lv2= L2-266	Hv2= H-221

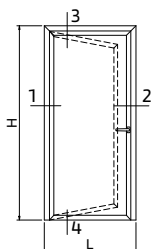
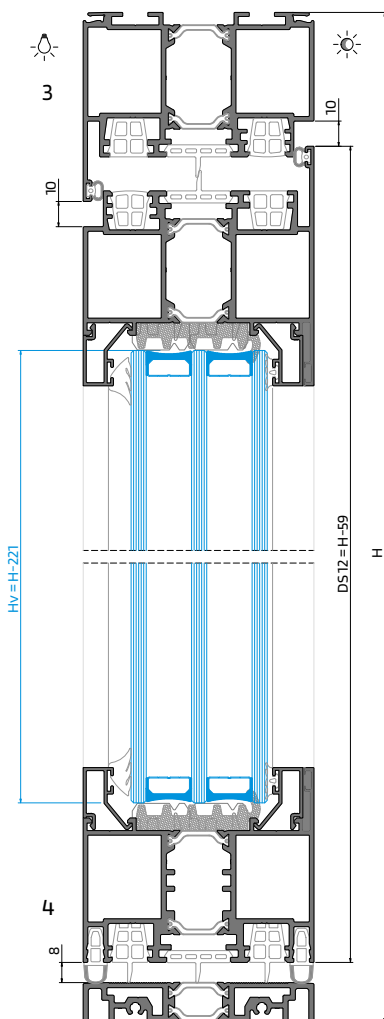
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉQUERRE	12
204178	ESQUADRO DS 2914-D BLOCKING BRACKET   ÉQUERRE	8
202238	DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D   HINGE   PALMELLE	2
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRICKING PLATE   GÂCHE	1
280043	TESTA INF. / SUP. FECHADURA M2 STRICKING PLATE   GÂCHE	2
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
210507	TOPO SUP. / INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUIT	2
210508	TOPO SUP. / INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUIT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUIT	Opcional   Optional   Optionnel 4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4 *
290030	PARAFUSO AT/PF DIN7504-N 4,8x25 INOX A2 SCREW   VIS	mínimo 8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19
218194	CALÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171	2L1+2H
208503	ou   or   ou VD 2170	2L1+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L1+2H
208182	VD 2090	2L+2H



## PORTA DE 2 FOLHAS DE ABERTURA PARA EXTERIOR 2 SASHES OUTWARD OPENING DOOR PORTE À 2 VANTAUX D'OUVERTURE VERS L'EXTÉRIEUR



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRÉS	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
L-266	H-221

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+4H
208227	VD 2287 DS	3L+4H
208359	VD2180 DS	4L+8H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504	VD 2171 ou   or   ou	2L+2H
208503	VD 2170	2L+2H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+2H
208182	VD 2090	2L+2H

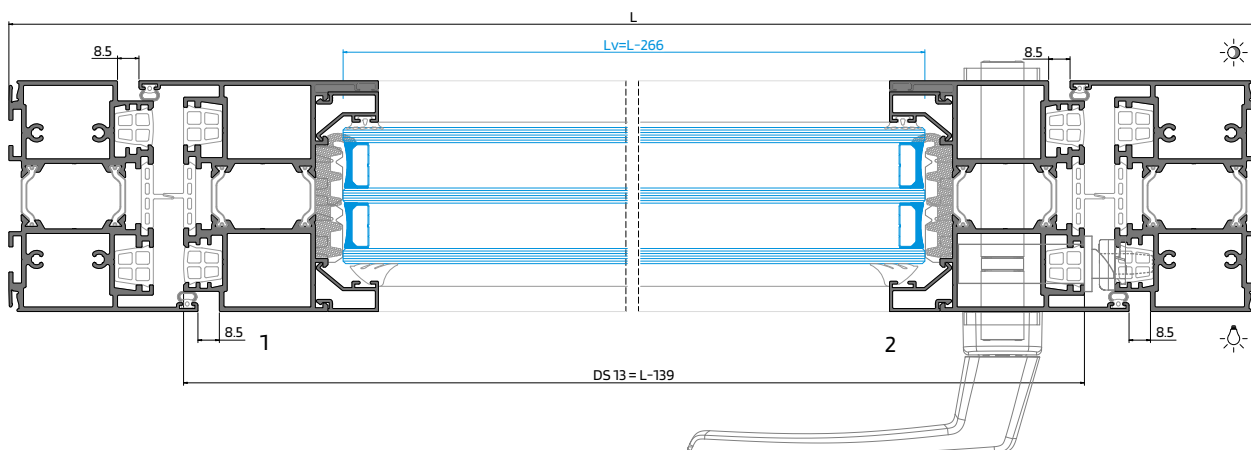
PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H2	1+2	
DS 12	ARO MÓVEL MOBILE FR.   OUVRANT	L-103	H-59	1+2	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	L-139	-	1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	L-254	H-250	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49		L-85 *	-	1	

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

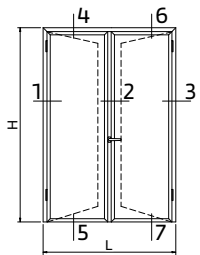
\*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclozes.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   RI DCKING BRACKET LFOU JEBBF	12
202109	DOBRADIÇA OCULTA SOLID   HINGE   PAUMELLE	2
201112	FECHADURA 3 PONTOS M2 35MM   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRICKING PLATE   GÂCHE	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	1
210507	TOPO SUP./INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	2
210508	TOPO SUP./INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	2
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
215504	PEÇA DE FIXAÇÃO DOB. OCULTA SOLID   CONCEALED HINGE FIXING PIECE   PIÈCE DE FIXATION DE LA CHARNIÈRE CACHÉE	8
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT	Opcional   Optional   Optionnel 4
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290109	PARAFUSO DIN7982 4.8x19 INOX A2 SCREW   VIS	16
290149	PARAFUSO CX UMB. M6x60 INOX A2 SCREW   VIS	12
290030	PARAFUSO DIN7981 4.2x38 INOX A2 SCREW   VIS	4 *
290079	PARAFUSO DIN7504-P PH 4.8x50 INOX A2 SCREW   VIS	20
218194	CALÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Various   Divers

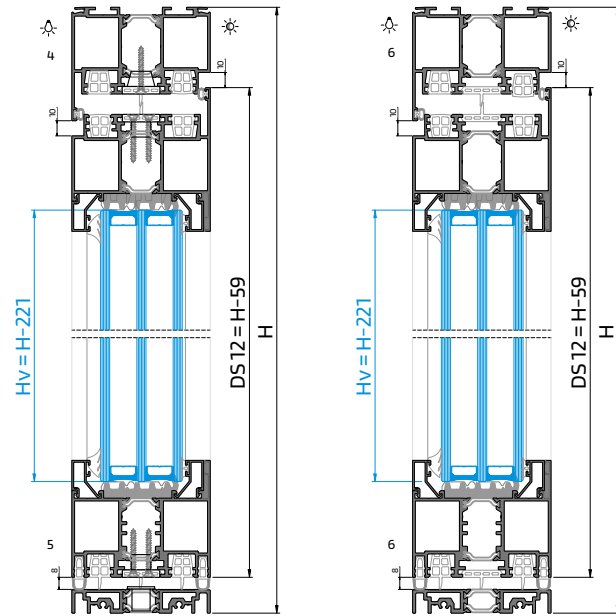
\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.



**PORTA DE 2 FOLHAS DE ABERTURA PARA EXTERIOR - COM DOBRADIÇAS MECHANICA**  
2 SASHES OUTWARD OPENING DOOR - WITH MECHANICA DOOR HINGE  
PORTE À 2 VANTAUX D'OUVERTURE VERS L'EXTÉRIEUR - AVEC PAUMELLE MECHANICA



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRES	
Lvidro(mm) GLASS   VERRE	Hvidro(mm) GLASS   VERRE
(L-404)/2	H-221



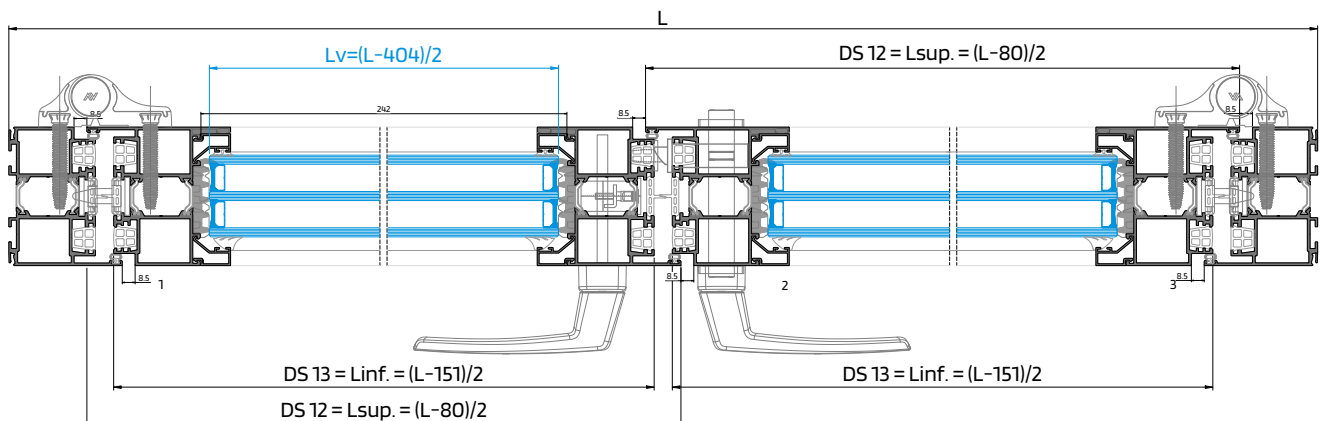
VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	2L+6H
208227	VD 2287 DS	3L+6H
208359	VD2180 DS	4L+12H
208360	VD 2181 DS	2L
208353	VD 2130 DS	2L
208504 ou   or   ou VD 2170	VD 2171 JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+4H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	2L+4H
208182	VD 2090	2L+4H

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL	CORTE VERT. VERTICAL DETAIL	QUANT. QUANTITY	CORTE CUT
DS 07	ARO FIXO FIXED FRAME   DORMANT	L2	H2	1+2	
DS 11	ARO MÓVEL MOBILE FR.   OUVRANT	-	H-59	1	
DS 12	ARO MÓVEL MOBILE FR.   OUVRANT	Lsup. = (L-80)/2	H-59	2+3	
DS 13	ARO MÓVEL MOBILE FR.   OUVRANT	Linf. = (L-151)/2	-	1+1	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	**	(L-382)/2	H-250	variável
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 49	SOLEIRA SILL   SEUIL	L-85	*	1	

\* Para tipologias de batente sem a aplicação dos topos soleira.  
For jamb typologies without the application of sill ends.  
Pour les typologies de montants sans application d'extrémités de seuil.

ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   DOBRADIÇA MECHANICA 2 ABAS 1145/60   HINGE   PAUMELLE	20
202010	KIT DE FIXAÇÃO P/ MECHANICA 1145 757X FASTENING KIT FOR HINGE   KIT DE FIXATION POUR PAUMELLE	4
223000	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	4
201138	FECHADURA 3 PONTOS M2 35MM ESQ.   LOCKER   SERRURE	1
280042	TESTA CENTRAL FECHADURA M2 STRIKING PLATE   GÂCHE	1
280043	TESTA INF./ SUP. FECHADURA M2 STRIKING PLATE   GÂCHE	2
201180	FECHADURA DE TRANCAS   LOCKER   SERRURE	1**
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   CYLINDER BACK PLATE   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	2
203303	COPO SUP/INF FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
207128	GUIA FECHADURA TRANCAS DS   LOCKING HARDWARE GUIDE   GUIDE POUR SERRURE	2
203304	COPO INF FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
201611	FECHO ANTI-ARROMBAMENTO 1459.3 ANTI-BURGLAR LOCK   SERRURE ANTI-EFFRACTION	mínimo 4
215505	PEÇA FIXAÇÃO P/ FECHO 1459.3 NON-HANDED ANTI-BURGLAR DEVICE   PIÈCE ANTI-EFFRACTION	mínimo 8
210507	TOPO SUP./ INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	4
210508	TOPO SUP./ INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	4
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   Optionnel
212417	CONJ. TOPOS SUPERIORES 2 FOLHAS DS   2 SASHES UPPER END-CAP KIT   KIT D'EMBOUT 2 VANTAUX	4
212017	CONJ. FIXAÇÃO FERRAGEM MULTI-PONTO   MULTIPPOINT HARDWARE FIXING KIT   KIT FIXATION FERRURE MULTIPPOINT	2
290262	PARAFUSO PAR 003 PK INOX PH 11/2x10 CQ SCREW   VIS	4
290080	PARAFUSO DIN7982 PH 3.5X32 INOX A2 SCREW   VIS	6
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   VIS	4*
290480	PARAFUSO CX UMB. M5x16 INOX SCREW   VIS	mínimo 24
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   VIS	19
218194	CAÇOS P/VIDRO EURO 2000 GLAZING SHIMS   CALES POUR VERRE	Diversos   Varius   Divers

\*Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.  
\*\*As tipologias não podem ultrapassar os 4200mm de altura.  
The typologies cannot exceed 4200mm de altura.  
Les typologies ne peuvent pas dépasser 4200mm de hauteur.

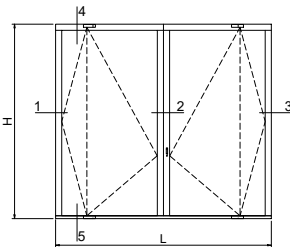
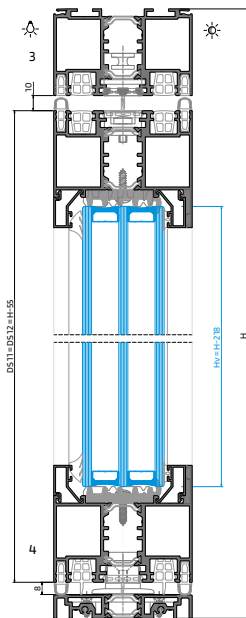


**PORTA PIVOTANTE 2 FOLHAS**  
2 SASHES PIVOTING DOOR  
PORTE PIVOTANT 2 VANTAUX

PERFIS   PROFILES   PROFILÉS					
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	CORTE HORIZ. HORIZONT. DETAIL DÉTAIL HORIZONT.	CORTE VERT. VERTICAL DETAIL DÉTAIL VERTIC.	QUANT. QUANTITY QUANTITÉ	CORTE CUT COUPE
DS 04	ARO FIXO FIXED FRAME   DORMANT	L	-	1	
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	H-57	2	
DS 11	ARO MÓVEL MOBILE FR   OUVRANT	-	H-55	1	
DS 12	ARO MÓVEL MOBILE FR   OUVRANT	-	H-55	3	
DS 13	ARO MÓVEL MOBILE FR   OUVRANT	(L-151)/2	-	4	
DS 49	SOLEIRA SILL   SEUIL	L-170	-	1	
-	BITE GLAZING BEAD   PARCLOSE	** (L-382)/2	H-247	variável	
ALTERNATIVA   ALTERNATIVE   ALTERNATIVE					
DS 06	ARO FIXO FIXED FRAME   DORMANT	-	* H-73	2	
DS 49	SOLEIRA SILL   SEUIL	L *	-	1	

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.  
Pour les typologies sans application d'extrémités de seuil.

\*\* Consultar tabelas de bites.  
Consult glazing beads table.  
Consulter les tableaux des parclose.



MEDIDAS VIDROS GLAZING MEASURES DIMENSIONS DES VERRÉS	
Lvidro(mm) GLASS   VERRÉ	Hvidro(mm) GLASS   VERRÉ
(L-404)/2	H-218

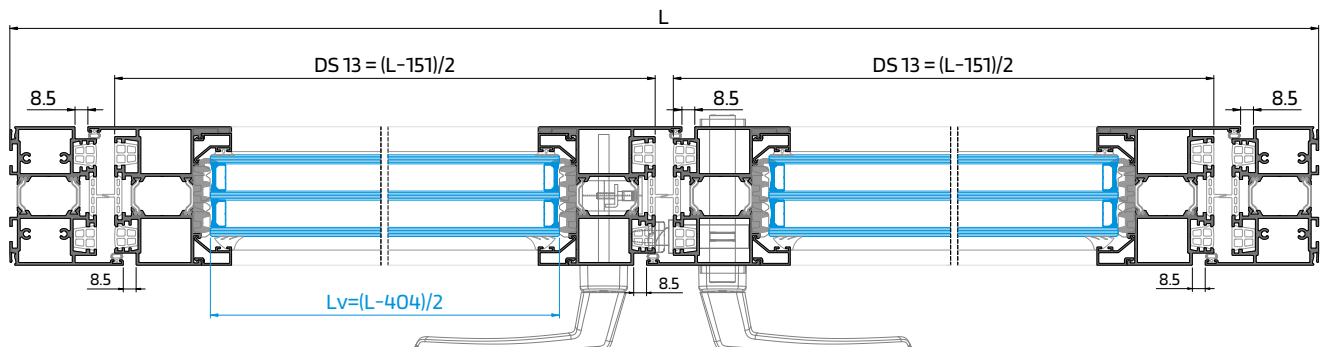
ACESSÓRIOS   ACCESSORIES   ACCESSOIRES		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
204177	ESQUADRO DS GRANDE 2933-D   BLOCKING BRACKET   ÉQUERRÉ	16
201112	FECHADURA 3 PONTOS M2 35MM   LOCKER   SERRURE	1
212424	CONJUNTO CHAPA TESTA LISA STRIKING PLATE   GÂCHÉ	1
207458	CILINDRO ALTA SEGURANÇA 30/80 CYLINDER LOCK   CYLINDRE DE SERRURE	1
220197	ESPELHO ALUMÍNIO 30mm   COUVERCLE DE CYLINDRE	2
200792	PUXADOR DE PORTA DUPLO CUBIC   HANDLE   POIGNÉE	2
227114	PIVOT DE CHÃO 7471 AX FLOOR PIVOT   PIVOT DE SOL	2
212331	CONJ. SUPERIOR PIVOT 300KG TOP FLUSH HINGE   PIVOT SUPÉRIEUR	2
210121	BRAÇO INFERIOR PIVOT 300KG BOTTOM STRAP   BRAS DU BAS	2
215041	PEÇA FIXAÇÃO INOX DS Nº1   Nº1   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº1	4
215042	PEÇA FIXAÇÃO INOX DS Nº2   Nº2   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº2	2
215043	PEÇA FIXAÇÃO INOX DS Nº3   Nº3   PIÈCE DE FIXATION EN ACIER INOXYDABLE DS Nº3	2
210507	TOPO SUP./INF. LATERAL DS DIR.   END-CAP KIT   KIT D'EMBOUT	4
210508	TOPO SUP./INF. LATERAL DS ESQ.   END-CAP KIT   KIT D'EMBOUT	4
210512	TOPO SOLEIRA DS ESQUERDO   LEFT DS SILL TOP   SEUIL DE CAISSE GAUCHE DS	1
210511	TOPO SOLEIRA DS DIREITO   RIGHT DS SILL TOP   SEUIL DE CAISSE DROIT DS	1
212418	CONJ. TOPOS ARO FIXO DS   END-CAP KIT   KIT D'EMBOUT	Opcional   4   Optionnel
212415	CONJ. CALÇOS FIX. ARO FIXO DS   FIXED SHIM KIT   JEU DE CALES FIXES	1
201180	FECHADURA DE TRANCAS   LOCKER   SERRURE	1 ***
203303	COPO SUP./INF. FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
207128	GUIA FECHADURA TRANCAS DS   LOCKING HARDWARE GUIDE   GUIDE POUR SERRURE	2
203304	COPO INF. FECH. TRANCAS OS-P LOCK ACCESS   ACCESS. POUR SERRURE	1
290480	PARAFUSO CX UMB. M5X16 INOX A2 SCREW   IVIS	12
290148	PARAFUSO CX UMB. M5X50 INOX A2 SCREW   IVIS	8
290262	PARAFUSO PAR 003 PK INOX PH 11/2X10 CQ SCREW   IVIS	4
290168	PARAFUSO CX 5/8X10 INOX A2 SCREW   IVIS	4
290506	PARAFUSO PKI PH 3/4X10 CQ SCREW   IVIS	14
290149	PARAFUSO CX UMB. M6X60 INOX A2 SCREW   IVIS	10
290030	PARAFUSO DIN7981 4,2x38 INOX A2 SCREW   IVIS	8
290079	PARAFUSO DIN7504-P PH 4,8x50 INOX A2 SCREW   IVIS	16*
212017	CONJ. FIXAÇÃO FERRAGEM MULTI-PONTO   HARD. FIX. KIT   KIT FIX. FERRURE MULTIPPOINT	2
290080	PARAFUSO DIN7982 PH 3,5X32 INOX A2 SCREW   IVIS	6

\* Para tipologias sem a aplicação dos topos soleira.  
For typologies without the application of sill ends.

\*\* Em alternativa, usar a Junta VD 2132 (Ref 208323) em toda a altura.  
Alternatively, use the Joint VD 2132 (Ref 208323) along the entire height.

En alternative, utiliser le Joint VD2132 (réf. 208323) sur toute la hauteur.

VEDANTES   SEALENTS   JOINTS		
CÓDIGO CODE	DESIGNAÇÃO DESIGNATION   NOMINATION	QUANTIDADE QUANTITY   QUANTITÉ
208008	VD 2051	6H
208227	VD 2287 DS	3L+6H
208359	VD2180 DS	6L+12H
208360	VD 2181 DS	4L
208353	VD 2130 DS	8L
208361	VD 2182 DS	2L
208504	VD 2171	4L+4H
208503	ou   or   ou VD 2170	4L+4H
VARIÁVEL VARIABLE	JUNTA INTERIOR GLAZING WEDGE GASKET   JOINT INTÉRIEUR	4L+4H
208182	VD 2090	4L+4H



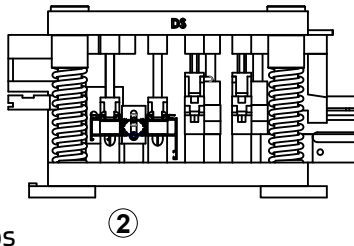
## V

## MAQUINAÇÕES, CORTES E FRESAGENS

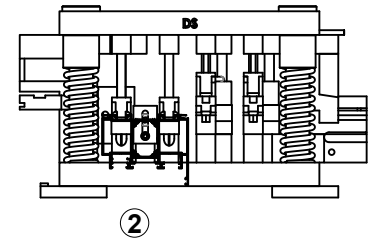
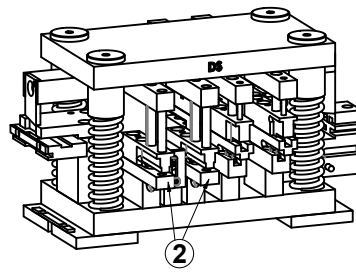
MACHININGS, CUTS AND MILLINGS  
USINAGES, COUPES ET FRAISAGES

Perfis Profiles Profilés	V.1
Ferragens e acessórios Hardware and accessories Ferrures et accessoires	V.2
Fechaduras Locks Serrures	V.3

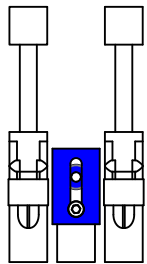
**FURAÇÃO PARA ESQUADROS NOS PERFIS DS 01, DS 04, DS 07, DS 11, DS 12 e DS 13**  
DRILLING FOR CORNER CLEATS IN DS 01, DS 04, DS 07, DS 11, DS 12 and DS 13 PROFILES  
PERÇAGE D'ÉQUÈRES DANS LES PROFILS DS 01, DS 04, DS 07, DS 11, DS 12 et DS 13



**Aros fixos**  
Fixed frames | Cadres fixes



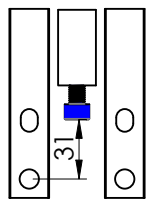
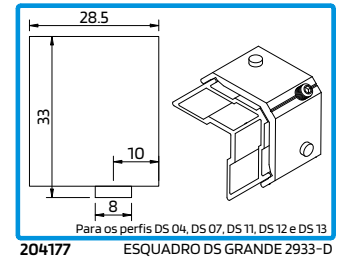
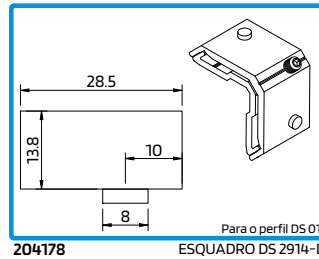
**Maquinação realizada no Cortante**  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil



**Para maquinar os perfis DS 01 e DS 07, manter o batente na posição inicial.**

To machine profiles DS 01 and DS 07, keep the stop in the initial position.

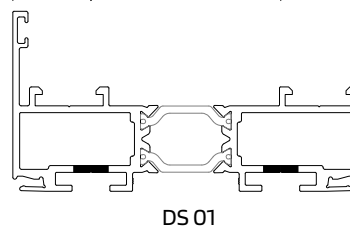
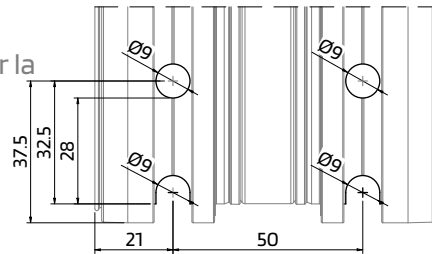
Pour usiner les profilés DS 01 et DS 07, maintenir la butée dans sa position initiale.



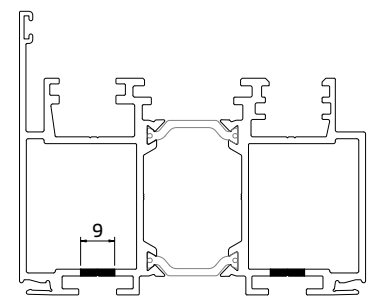
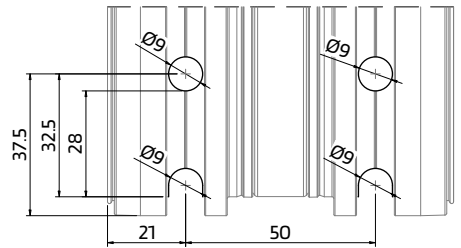
**Parafuso para afinação da posição da maquinação para o aperto dos esquadros.**

Screw for adjusting the machining position for clamping the corner cleats.

Vis pour régler la position d'usinage pour le serrage des équerres.

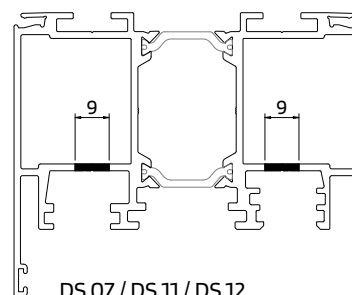
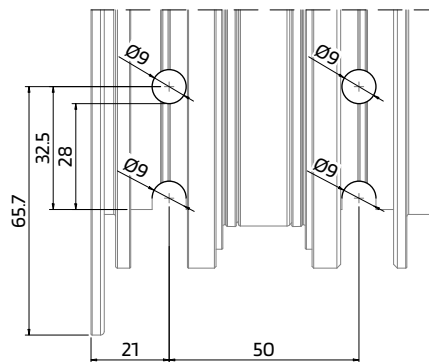
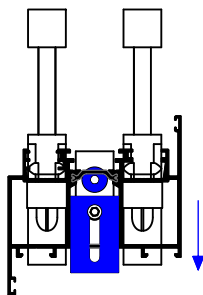


DS 01

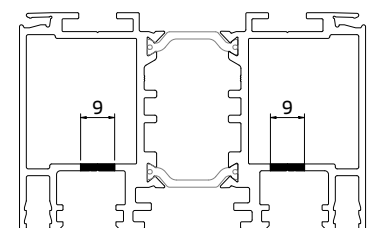
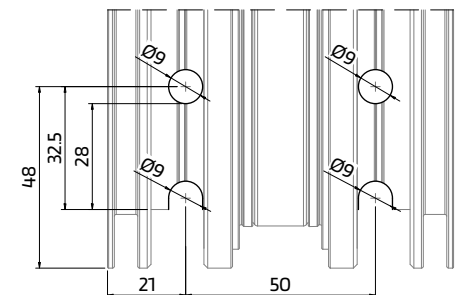


DS 07

**Aros móveis**  
Mobile frames | Cadres ouvrants



DS 07 / DS 11 / DS 12



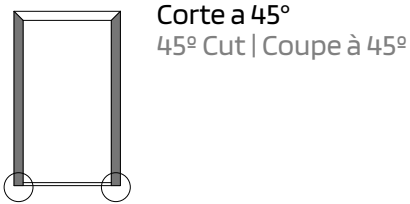
DS 04 / DS 13

**Para maquinar os perfis DS 04, DS 07, DS 11, DS 12 e DS 13, descer o batente.**  
To machine profiles DS 04, DS 07, DS 11, DS 12 and DS 13, bring down the stop.  
Pour usiner les profilés DS 04, DS 07, DS 11, DS 12 et DS 13, abaisser la butée.

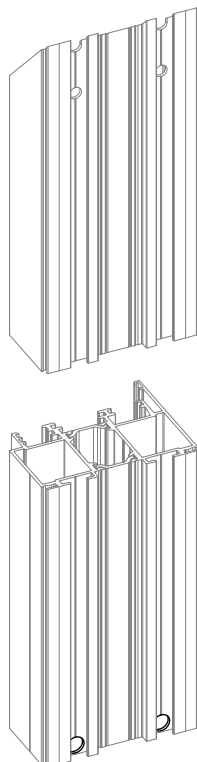
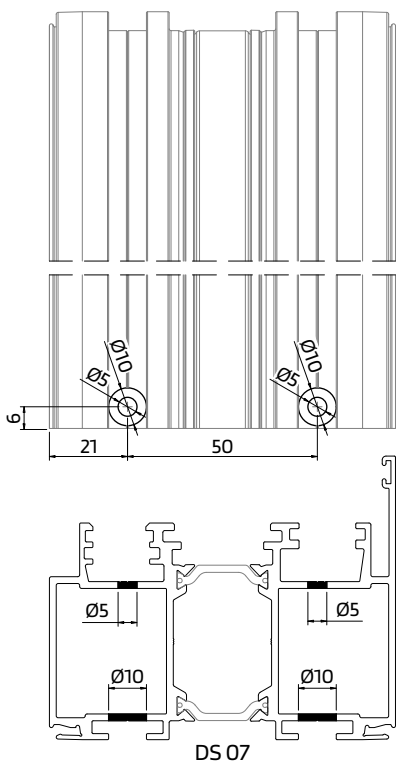
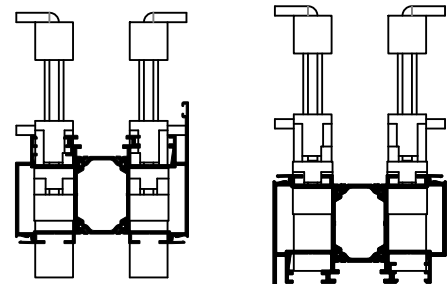
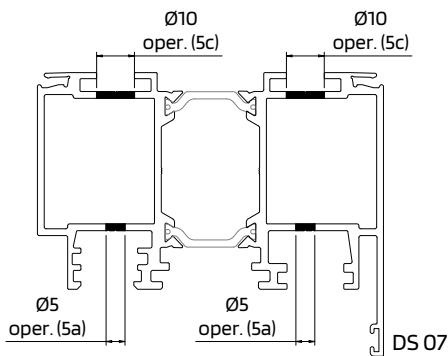
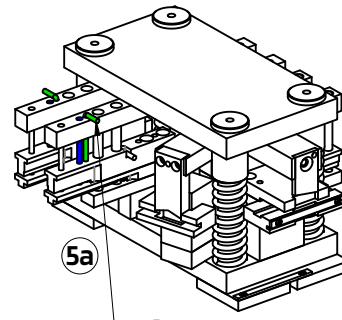
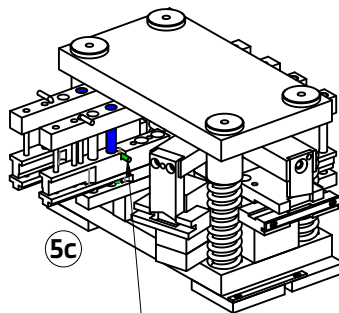
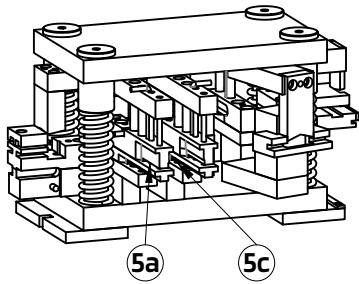
**FURAÇÃO PARA APERTO DAS OMBREIRAS À SOLEIRA**  
DRILLING FOR FASTENING THE JAMBS TO SILL  
PERÇAGE POUR LA FIXATION DES JAMBAGES SUR LE SEUIL

Aros fixos  
Fixed frames | Cadres fixes

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



**Nota:** Esta operação só se aplica caso se queira fixar a soleira diretamente às ombreiras.  
**Note:** This operation only applies if you want to fix the sill directly to the jambs.  
**Note:** Cette opération s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.

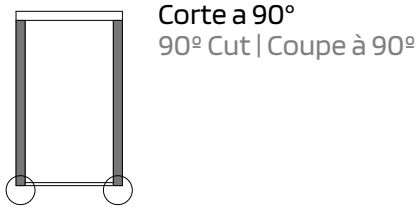


**Nota:** para maquinar as operações 5a e 5c será necessário colocar os **batentes** e ativar os punções.  
**Note:** to machine operations 5a and 5c, it will be necessary to place the **stoppers** and activate the punches.  
**Note:** pour effectuer les opérations 5a et 5c, il faudra placer les **butées** et actionner les poinçons.

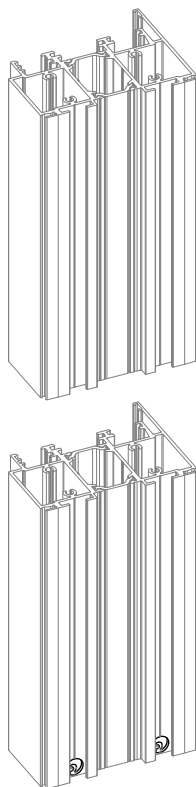
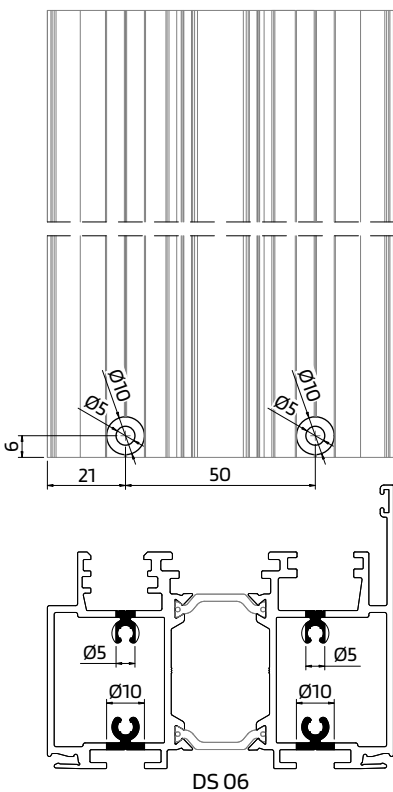
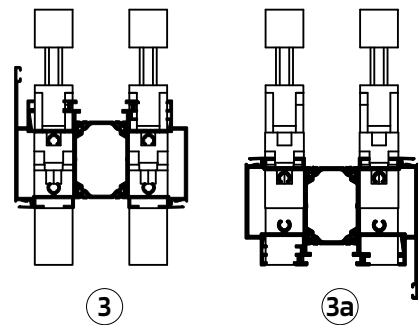
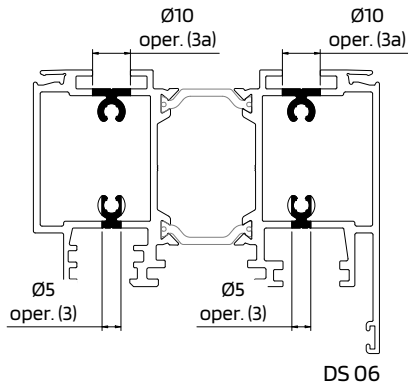
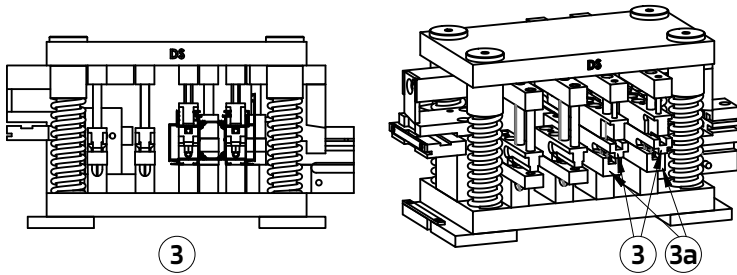
**FURAÇÃO PARA APERTO DAS OMBREIRAS À SOLEIRA**  
DRILLING FOR FASTENING THE JAMBS TO SILL  
PERÇAGE POUR LA FIXATION DES JAMBAGES SUR LE SEUIL

Aros fixos  
Fixed frames | Cadres fixes

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

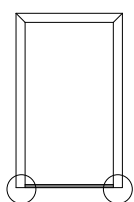


**Nota:** Esta operação só se aplica caso se queira fixar a soleira diretamente às ombreiras.  
**Note:** This operation only applies if you want to fix the sill directly to the jambs.  
**Note:** Cette opération s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.

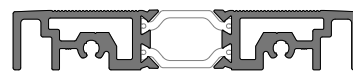


**FURAÇÃO E MAQUINAÇÃO DA SOLEIRA DS 49 PARA APERTO NAS OMBREIRAS**  
DRILLING AND MACHINING OF THE DS 49 SILL FOR FASTENING TO THE JAMBS  
PERÇAGE ET USINAGE DU SEUIL DS 49 POUR LE VERROUILLAGE SUR LES JAMBAGES

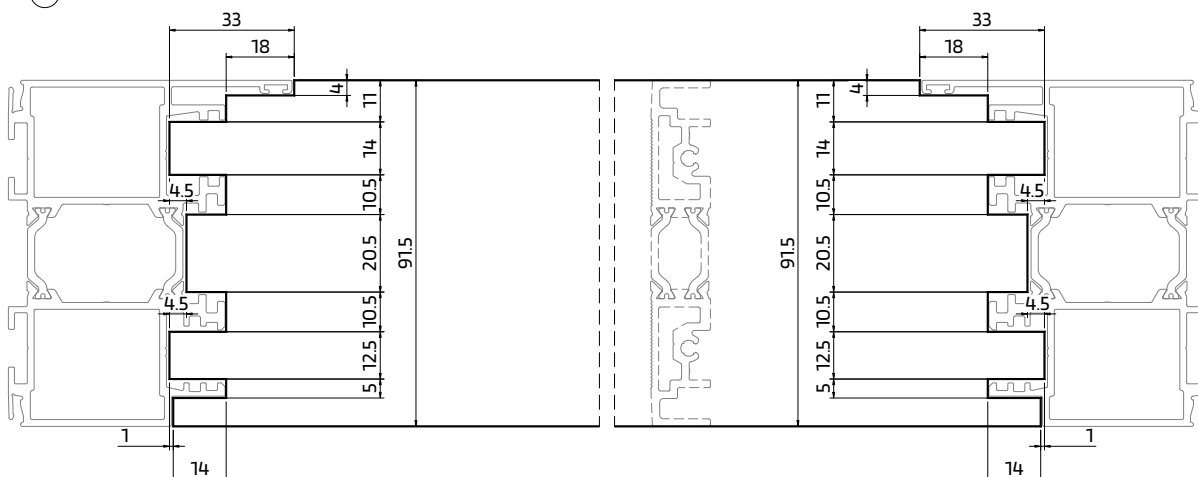
Tipologias de batente | Side-hinged typologies | Typologies à battant



Corte a 45°  
45° Cut | Coupe à 45°



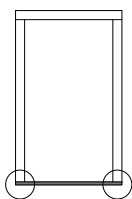
DS 49



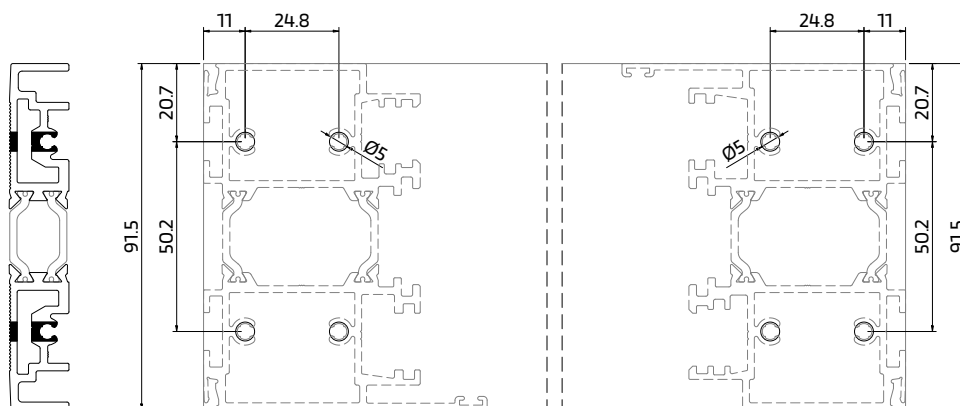
Tipologias pivotantes | Pivoting typologies | Typologies à pivotante

Aros fixos

Fixed frames | Cadres fixes



Corte a 90°  
90° Cut | Coupe à 90°



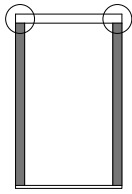
**Nota:** Estas operações só se aplicam caso queira afixar a soleira diretamente às ombreiras.

**Note:** This operations only applies if you want to attach the sill directly to the jambs.

**Note:** Cettes opérations s`applique uniquement si vous souhaitez fixer le seuil directement sur les montants.

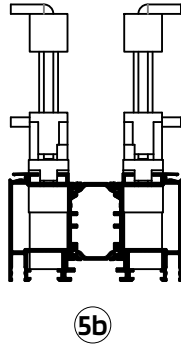
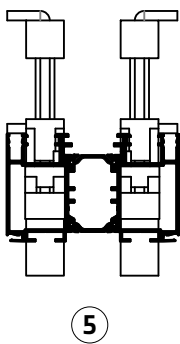
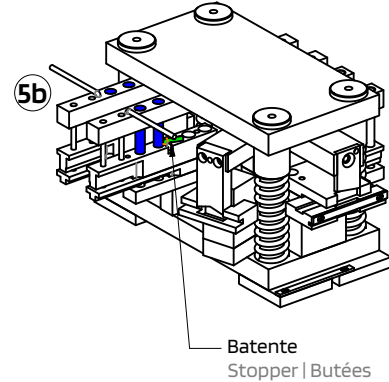
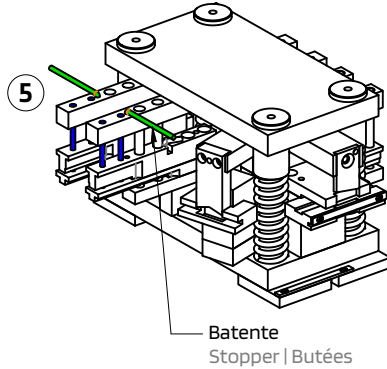
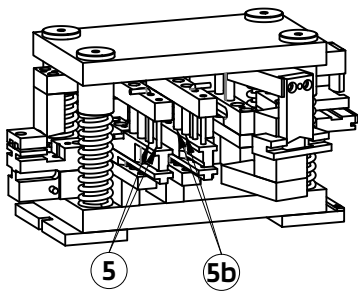
**FRESAGEM NO PERFIL PADIEIRA PARA TIPOLOGIAS PIVOTANTES**  
LINTEL MILLING FOR PIVOTING TYPOLOGIES  
FRAISAGE DU LINTEAU POUR LES TYPOLOGIES PIVOTANTS

**Aros fixos**  
Fixed frames | Cadres fixes

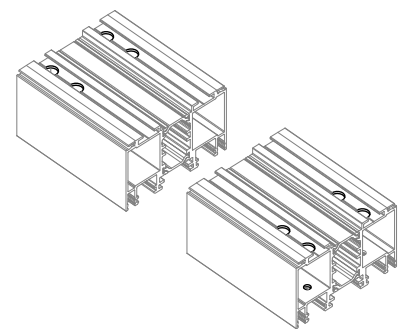
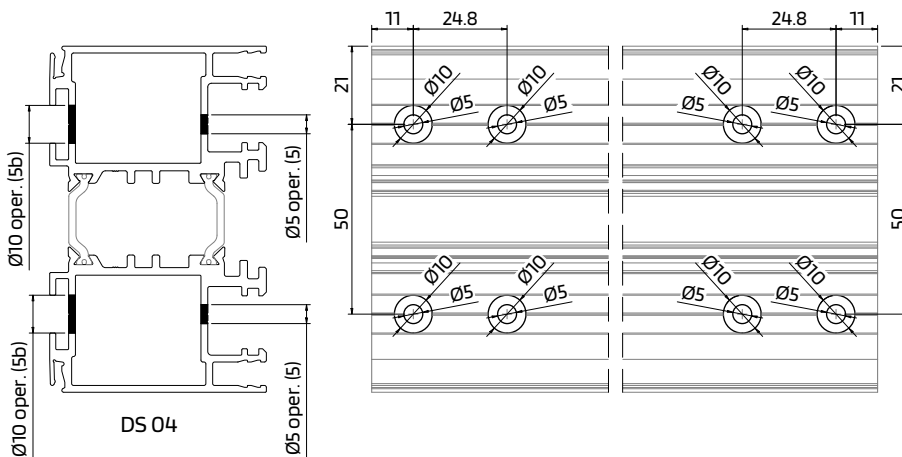


Corte a 90°  
90° Cut | Coupe à 90°

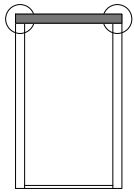
Maquinação realizada no Cortante  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil



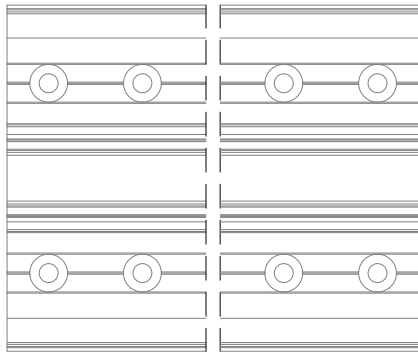
Nota: para maquinar as operações 5 e 5b será necessário colocar os **batentes** em descanso e ativar os punções.  
Note: to machine operations 5 and 5b, it will be necessary to reset the **stoppers** and activate the punches.  
Note: pour effectuer les opérations 5 et 5b, il faudra reposer les **butées** et actionner les poinçons.



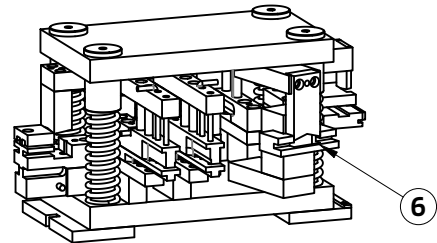
**FRESAGEM DOS PERFIS *RENOVATIO* E DE PADIEIRA PARA AS TIPOLOGIAS PIVOTANTE**  
MILLING OF *RENOVATIO* AND LINTEL PROFILES FOR PIVOTING TYPOLOGIES  
FRAISAGE DES PROFILÉS *RENOVATIO* ET DES LINTEAUX POUR LES TYPES PIVOTANTES



**Corte a 90°**  
90° Cut | Coupe à 90°

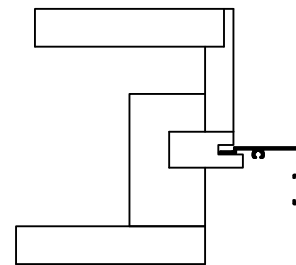
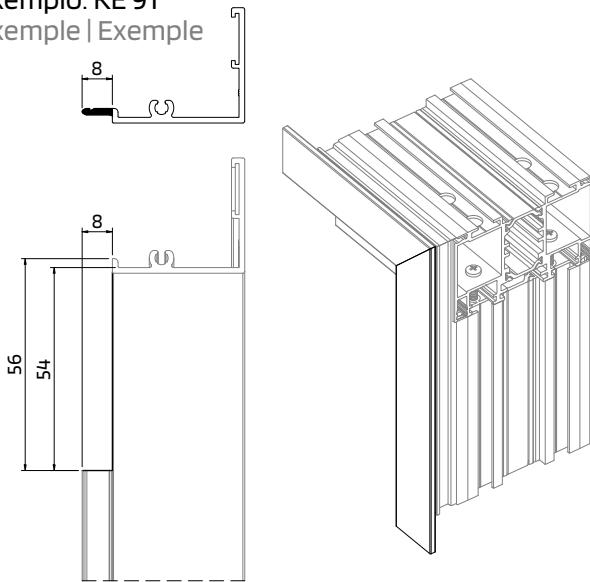


**Maquinação realizada no Cortante**  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil



Para os perfis | For profiles | Pour profilés:  
KE 55/81/82/83/90/91/92/93/94/95/96/97

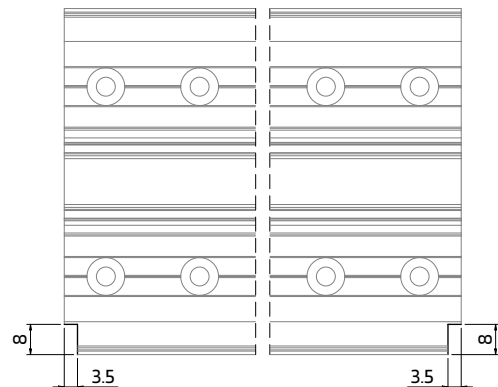
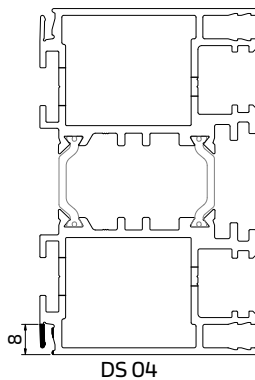
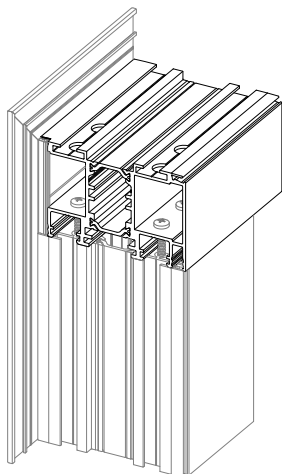
Exemplo: KE 91  
Exemple | Exemple



6

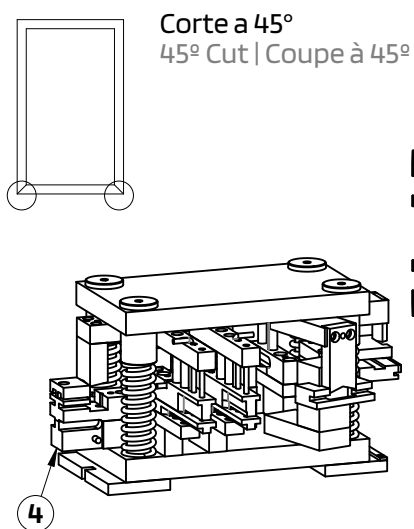
**Cortes de 8x3.5mm c/ disco de corte**  
8x3.5mm cuts with cutting disc  
Coupes de 8x3.5 mm avec disque de coupe

Para os perfis | For profiles | Pour profilés:  
KE 60/61/63/64/66/69

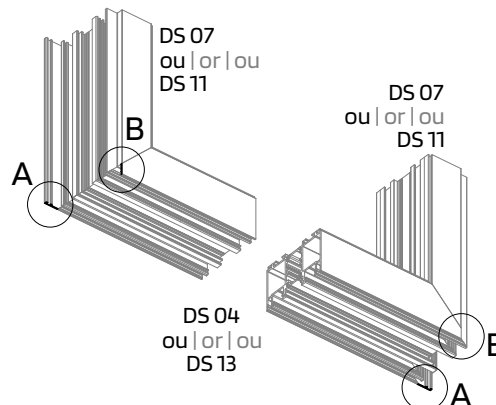


**FRESAGEM NO PERFIL ARO MÓVEL PARA TIPOLOGIAS DE BATENTE 1 FOLHA**  
MOBILE FRAME PROFILE MILLING FOR 1 SASH SIDE-HINGED TYPOLOGIES  
FRAISAGE DE PROFILÉ OUVRANT POUR LES TYPOLOGIES À BATTANT 1 VANTAIL

Aros móveis  
Mobile frames | Cadres ouvrants

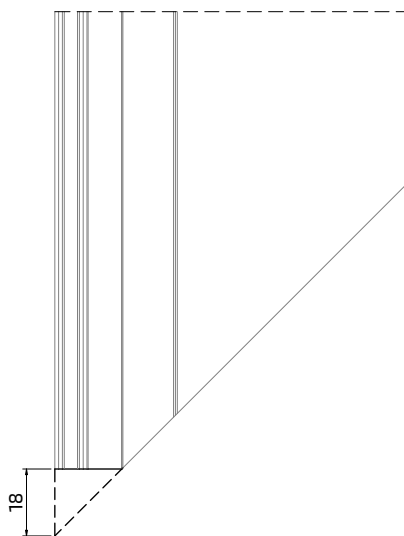
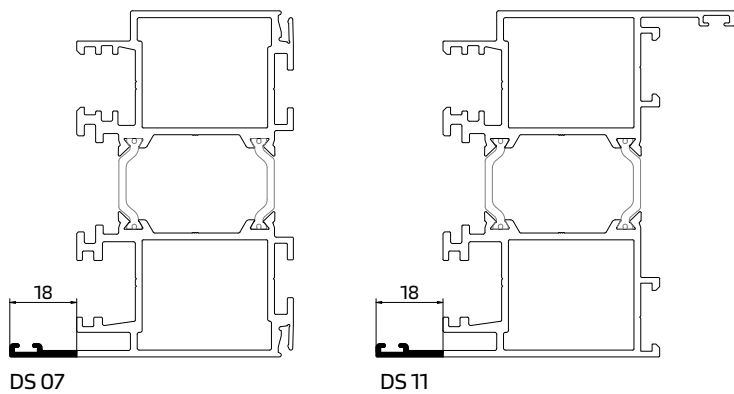


Zona INFERIOR da folha móvel  
LOWER area of the movable sash  
Zone INFÉRIEUR de l'ouvrant

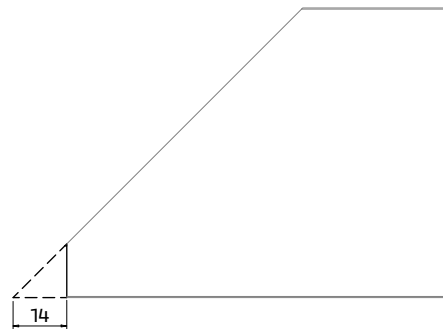
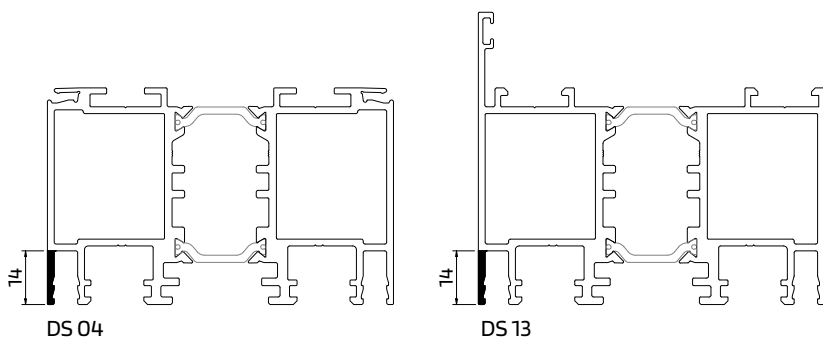


Maquinação realizada no Cortante  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil

Fresagem em A  
Milling in A | Fraisage en A

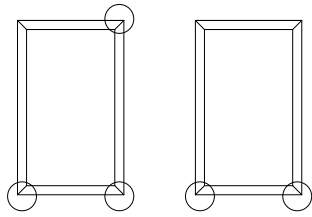


Fresagem em B  
Milling in B | Fraisage en B



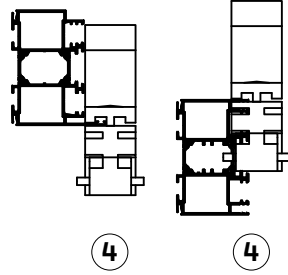
**FRESAGEM NO PERFIL ARO MÓVEL PARA TIPOLOGIAS DE BATENTE 2 FOLHAS**  
MOBILE FRAME PROFILE MILLING FOR 2 SASHES SIDE-HINGED TYPOLOGIES  
FRAISAGE DE PROFILÉ OUVRANT POUR LES TYPOLOGIES À BATTANT 2 VANTAUX

**Aros móveis**  
Mobile frames | Cadres ouvrants

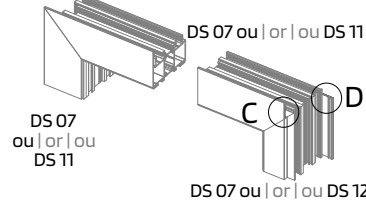


**Folha passiva**  
Passive sash  
Vantail passivo

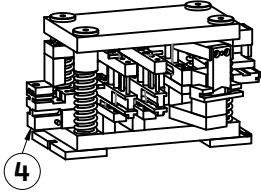
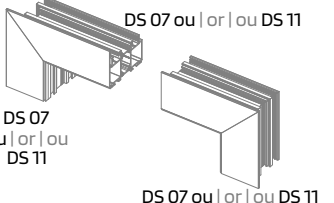
**Folha ativa**  
Active sash  
Vantail active



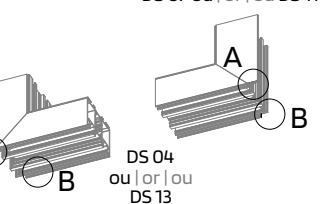
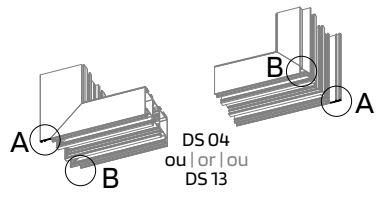
**Zona SUPERIOR da folha móvel passiva**  
UPPER area of the passive movable sash  
Zone SUPÉRIEUR de l'ouvrant passivo



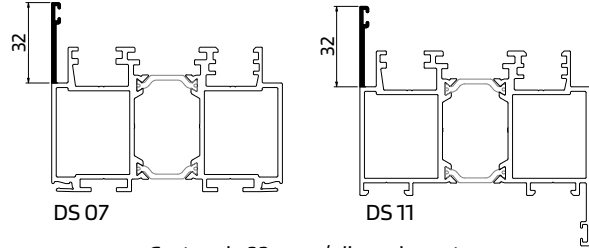
**Zona SUPERIOR da folha móvel ativa**  
UPPER area of the active movable sash  
Zone SUPÉRIEUR de l'ouvrant active



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



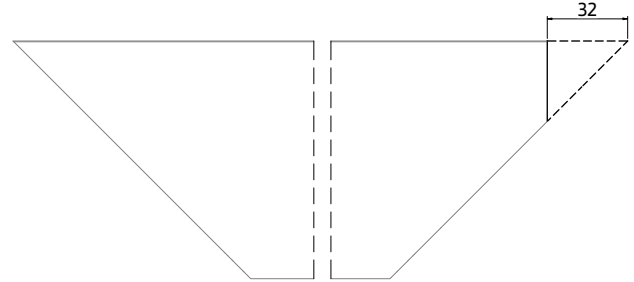
**Fresagem em C**  
Milling in C | Fraisage en C



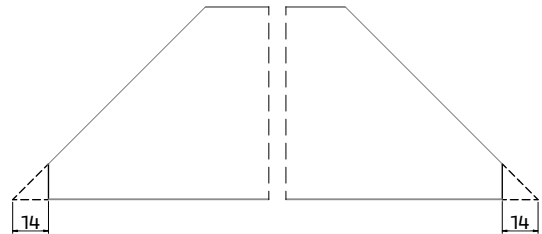
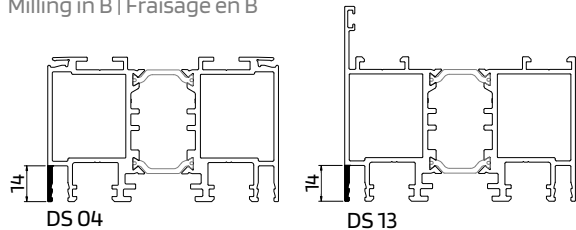
**Cortes de 32mm c/ disco de corte**  
32mm cuts with cutting disc  
Coupes de 32 mm avec disque de coupe

**Zona INFERIOR da folha móvel passiva**  
LOWER area of the passive movable sash  
Zone INFÉRIEUR de l'ouvrant passivo

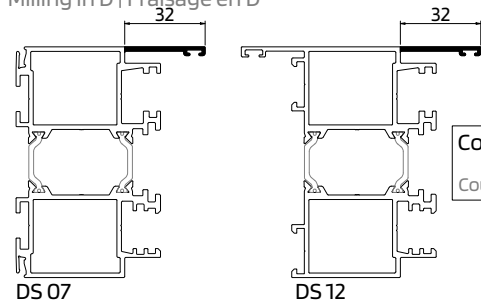
**Zona INFERIOR da folha móvel ativa**  
LOWER area of the active movable sash  
Zone INFÉRIEUR de l'ouvrant active



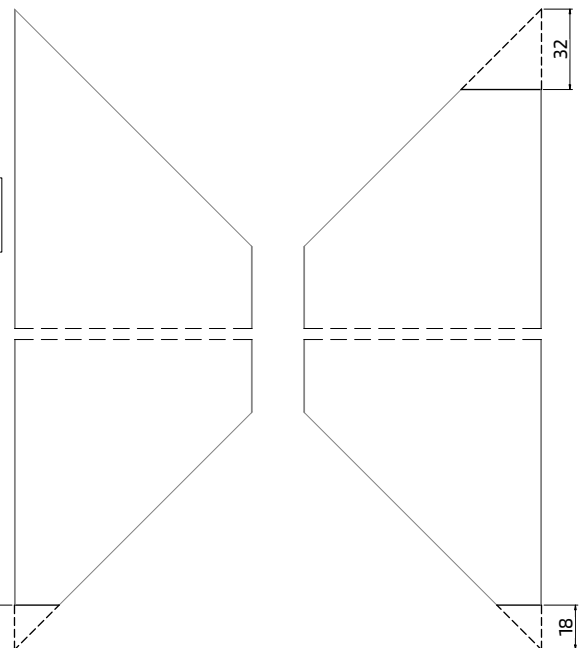
**Fresagem em B**  
Milling in B | Fraisage en B



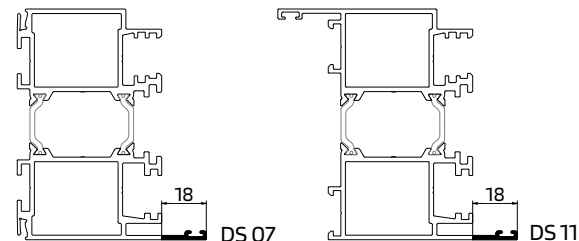
**Fresagem em D**  
Milling in D | Fraisage en D



**Cortes de 32mm c/ disco de corte**  
32mm cuts with cutting disc  
Coupes de 32 mm avec disque de coupe

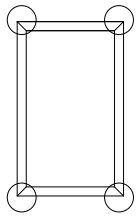


**Fresagem em A**  
Milling in A | Fraisage en A

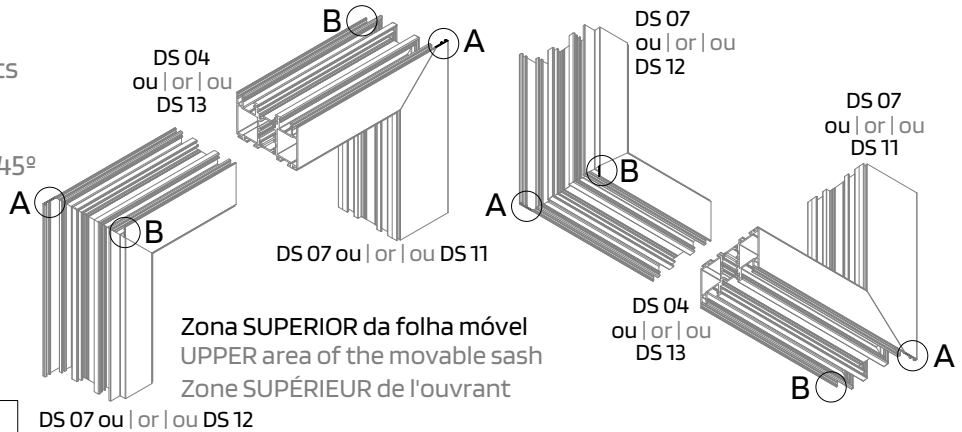


FRESAGEM NO PERFIL PARA TIPOLOGIAS PIVOTANTE 1 FOLHA  
MOBILE FRAME PROFILE MILLING FOR 1 SASH PIVOTING TYPOLOGIES  
FRAISAGE DE PROFILÉ OUVRANT POUR LES TYPOLOGIES PIVOTANTS À 1 VANTAIL

**Aros móveis**  
Mobile frames | Cadres ouvrants



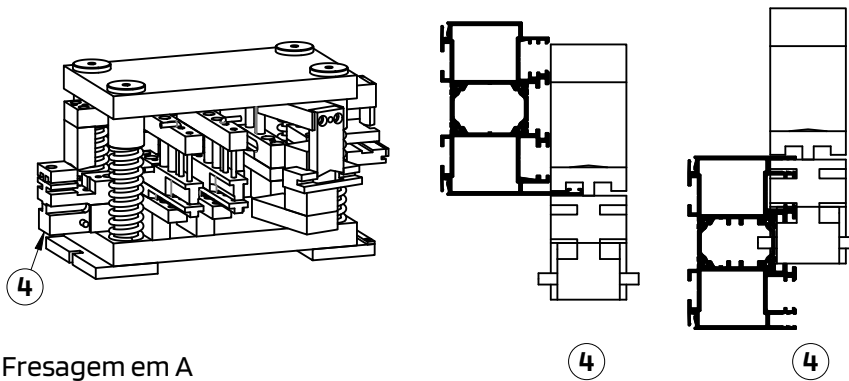
Corte a 45°  
45° Cut | Coupe à 45°



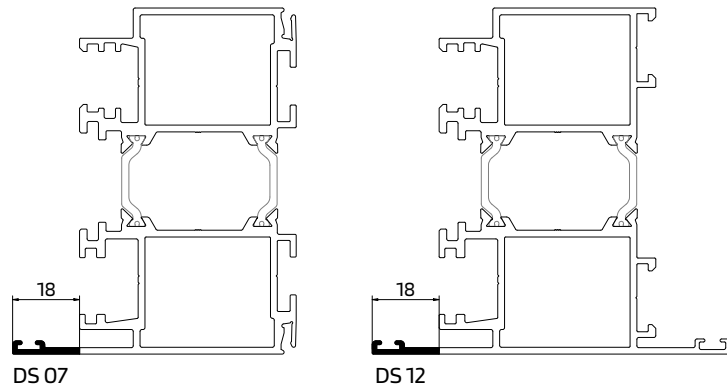
Zona SUPERIOR da folha móvel  
UPPER area of the movable sash  
Zone SUPÉRIEUR de l'ouvrant

Zona INFERIOR da folha móvel  
LOWER area of the movable sash  
Zone INFÉRIEUR de l'ouvrant

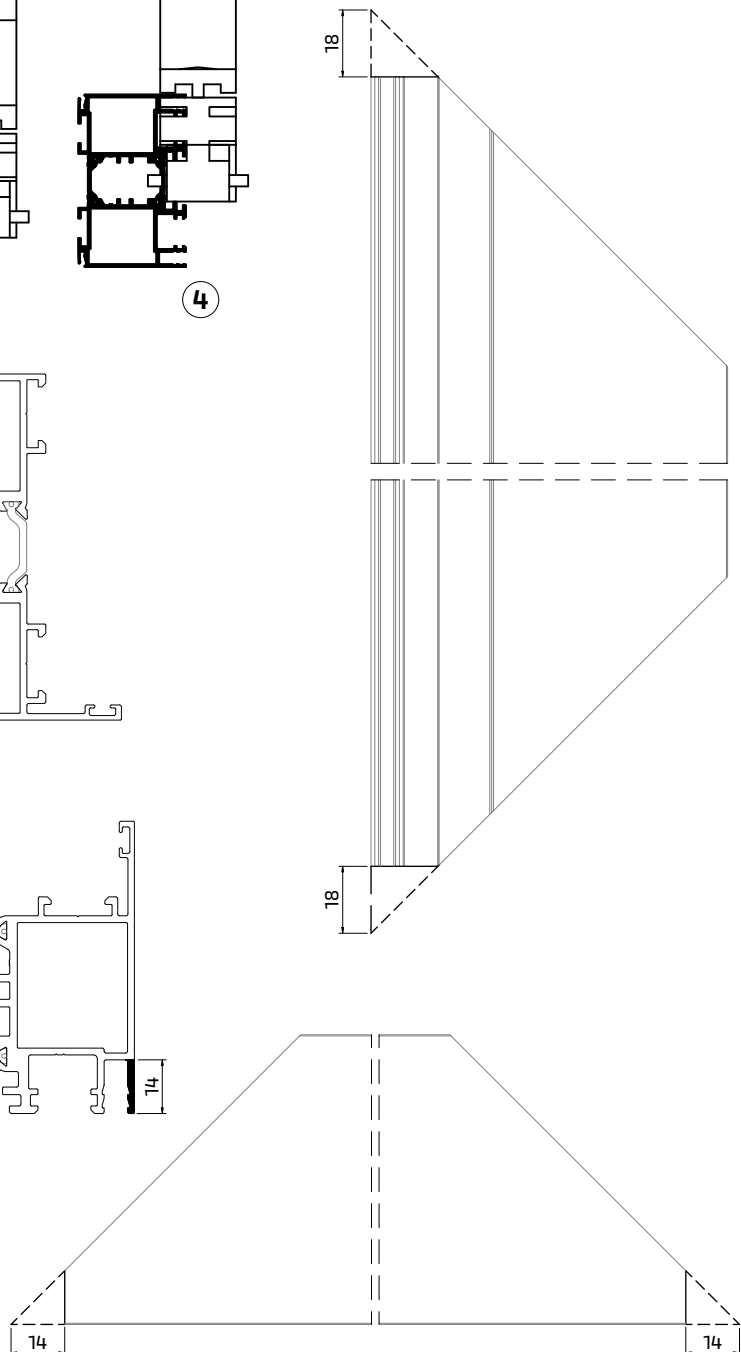
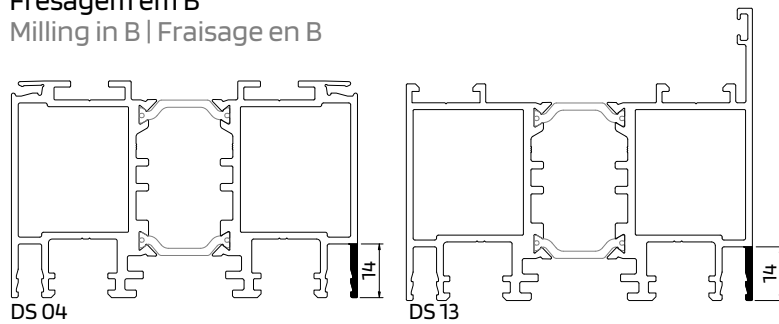
Maquinação realizada no Cortante  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil



**Fresagem em A**  
Milling in A | Fraisage en A



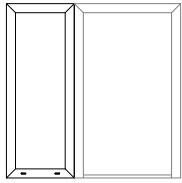
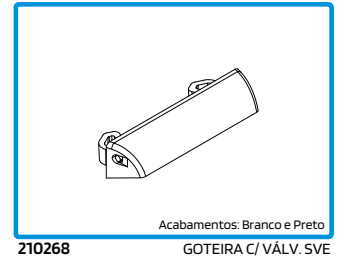
**Fresagem em B**  
Milling in B | Fraisage en B



## EXECUÇÃO DE RASGOS NO PERFIL DS 01 PARA COLOCAÇÃO DAS GOTEIRAS EXECUTION OF SLOTS IN THE DS 01 PROFILE TO FIT THE DRIPS RÉALISATION DE FENTES DANS LE PROFIL DS 01 POUR ADAPTER LES CLAPETS

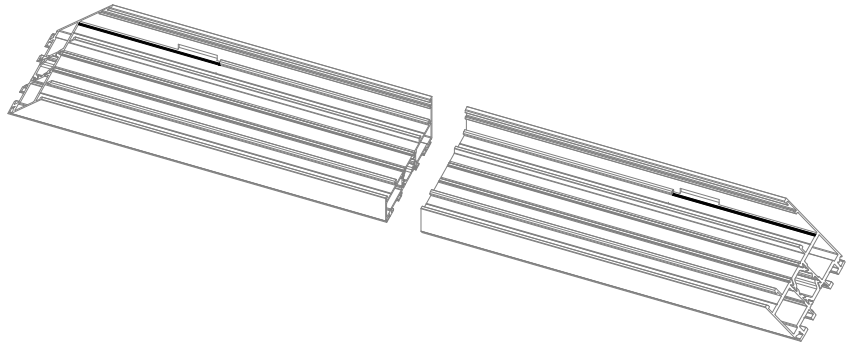
### Aros fixos

Fixed frames | Cadres dormants

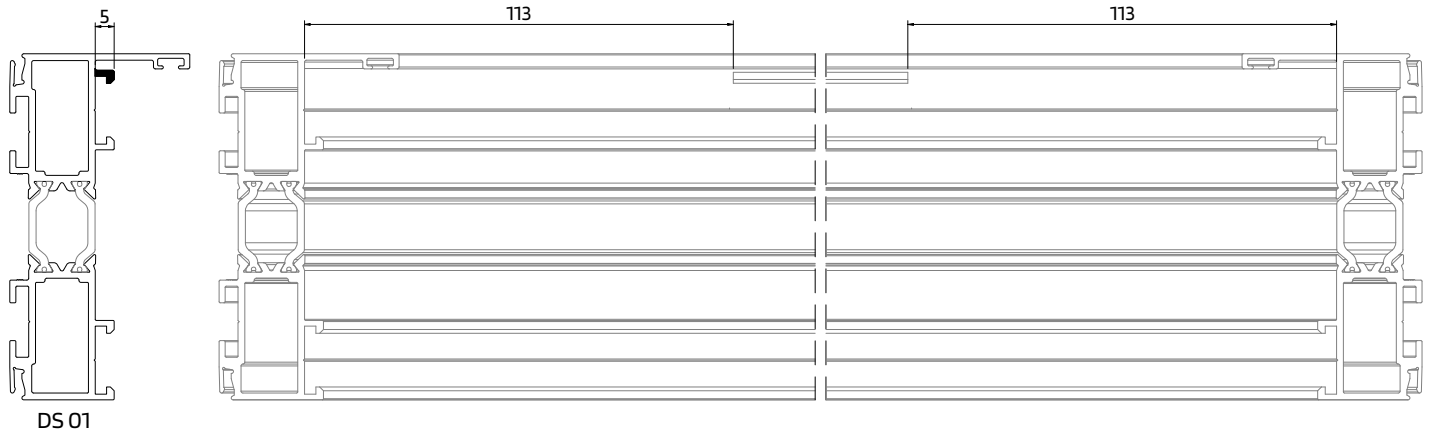


Corte a 45°  
 45° Cut | Coupe à 45°

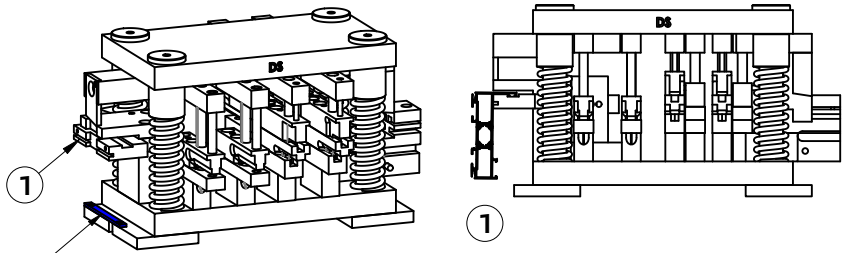
Maquinação realizada em fresa  
 Machining performed by milling  
 Usinage réalisée par fraisage



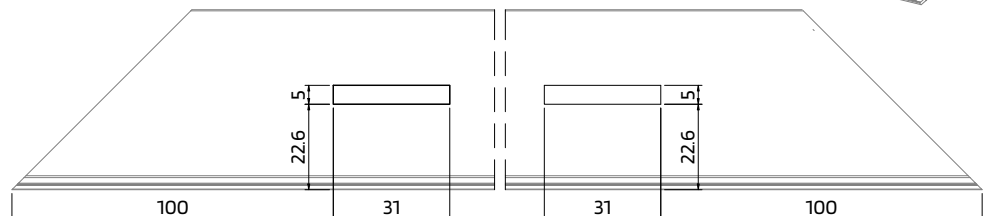
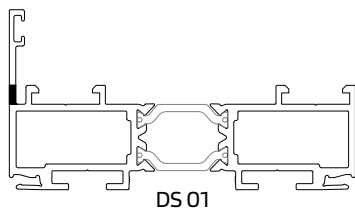
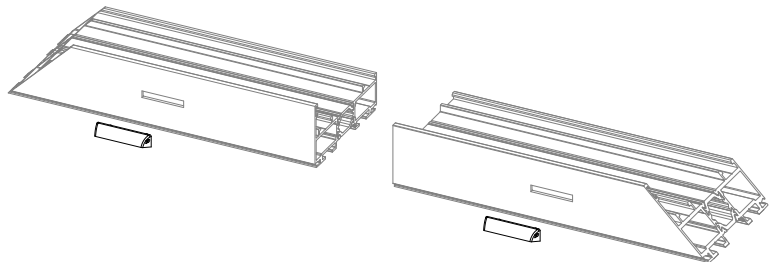
Antes de fazer as fresagens para as goteiras, tem de se fresar a aba do perfil no mínimo 113mm  
 Before milling holes for the drips, the profile flap must be milled to at least 113mm  
 Avant de fraiser les trous pour les clapets, le profilé doit être fraisé à au moins 113 mm



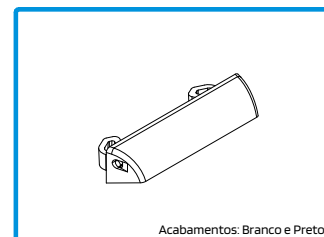
Maquinação realizada no Cortante  
 Machining performed on Punching tool  
 Usinage réalisée dans l'Outil



Nota: Para maquinar esta operação é necessário colocar a barra para enchimento em descanso.  
 Note: To machine this operation it is necessary to place the filling bar at rest.  
 Note: Pour usiner cette opération il est nécessaire de placer la barre pour remplissage au repos.



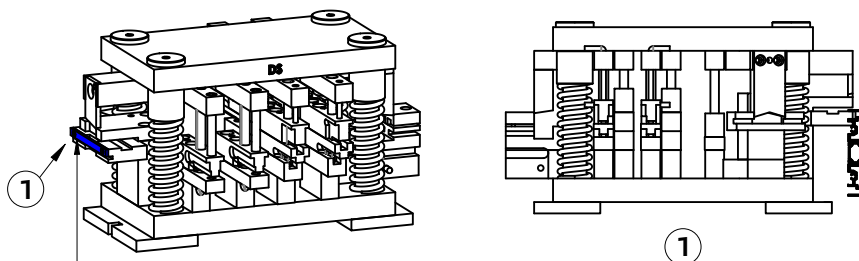
## RASGOS PARA DRENAGEM / VENTILAÇÃO SLOT DRAIN WATER / VENT FENTES POUR DRAINAGE / VENTILATION



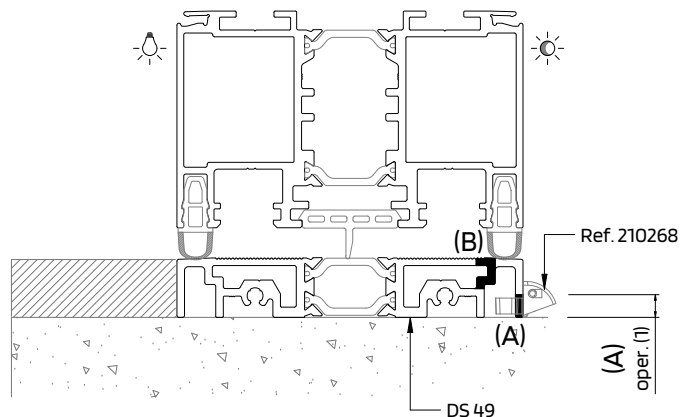
210268

Acabamentos: Branco e Preto  
GOTEIRA C/ VÁLV. SVE

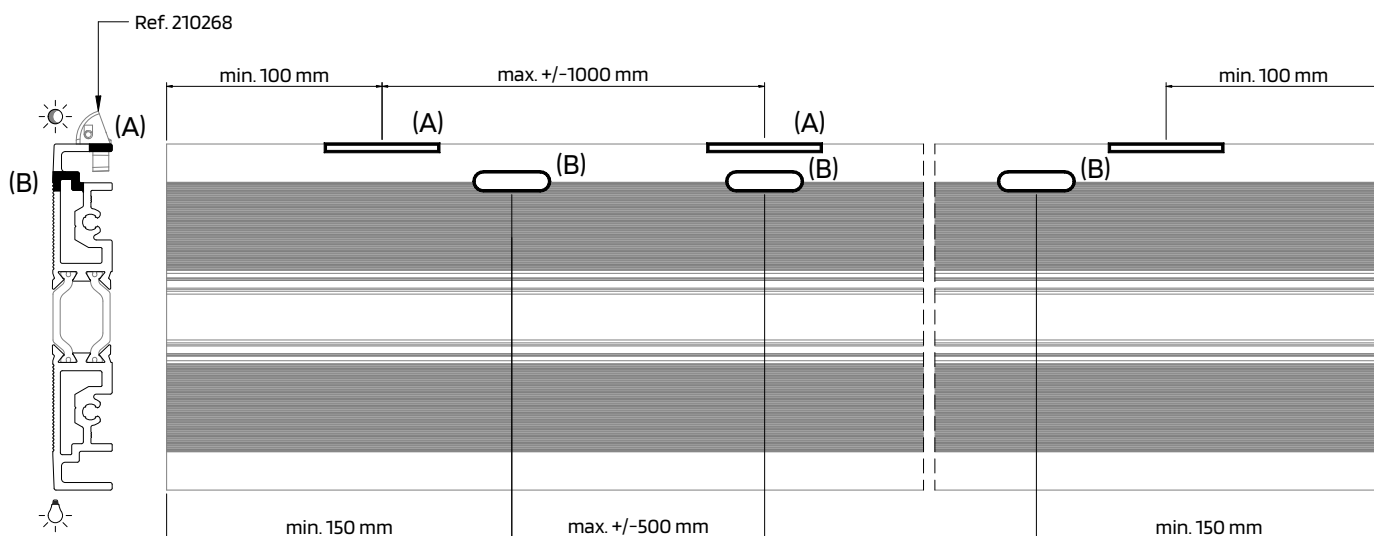
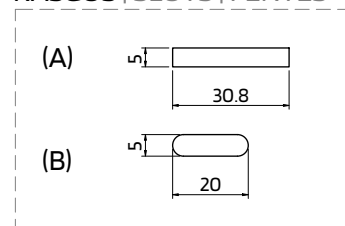
Maquinação realizada no Cortante  
Machining performed on Punching tool  
Usinage réalisée dans l'Outil



**Nota: Para maquinar esta operação é necessário colocar a barra para enchimento na sua posição.**  
Note: To machine this operation it is necessary to place the filling bar in position.  
Note: Pour usiner cette opération il est nécessaire de placer la barre pour remplissage en position.



### RASGOS | SLOTS | FENTES



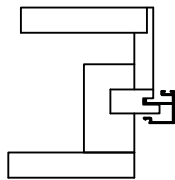
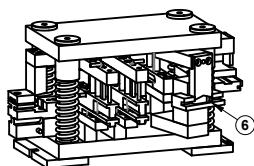


**MAQUINAÇÃO DOS PERFIS PARA APLICAÇÃO DAS PEÇAS DE FIXAÇÃO DOBRADIÇA OCULTA SOLID**

MACHINING OF PROFILES FOR APPLICATION OF HIDDEN HINGE FIXING PARTS

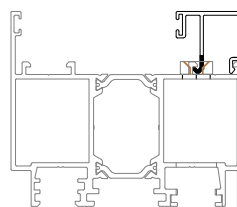
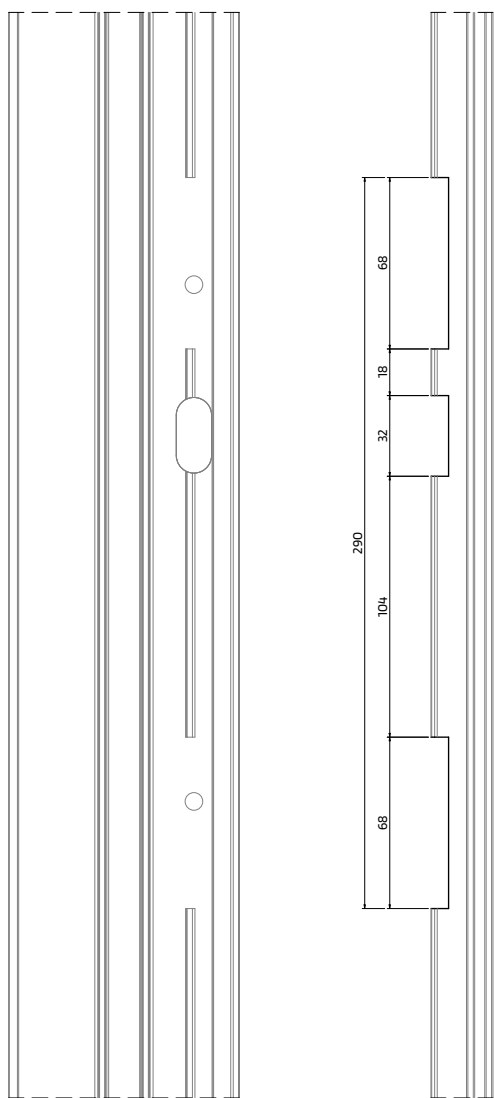
USINAGE DE PROFILÉS POUR L'APPLICATION DE PIÈCES DE FIXATION DE CHANIÈRES CACHÉES

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



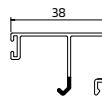
6

AT 92

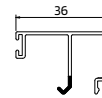


AT 92

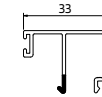
DS 11



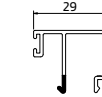
AT 90



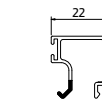
AT 98



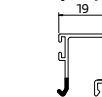
AT 91



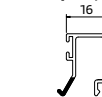
AT 89



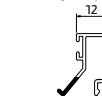
AT 97



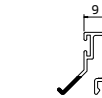
AT 93



AT 94



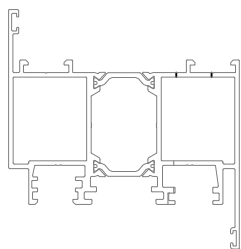
AT 95



AT 96



AT 99

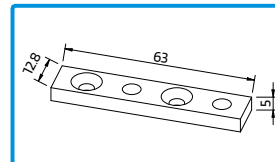


DS 11



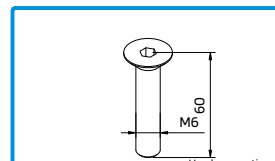
Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

202109 DOBRADIÇA OCULTA SOLID



Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

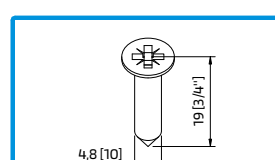
215504 PEÇA FIXAÇÃO DOB. OC. SOLID



Usado nos artigos:  
Mola Sup oculta ITS 96 (Ref. 228051) e  
no Kit Dobradiça Oculta

Material: Inox | Acabamento: Inox

290149 PARAFUSO DIN7991 M6X60 INOX A2



Para fixação da Peça Fix Dobradiça Oculta  
Material: Inox | Acabamento: Inox

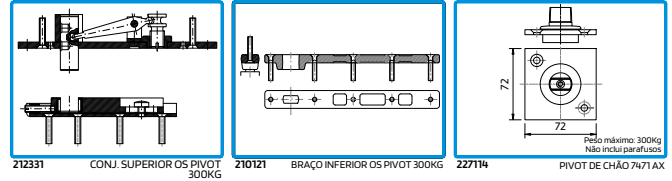
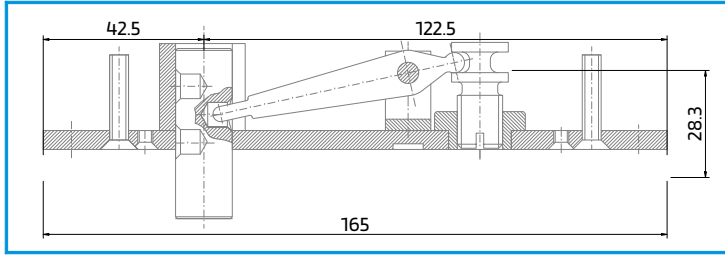
290109 PARAFUSO DIN7982 4.8x19 AZ

**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG - COM RÓTULA INFERIOR**

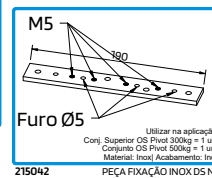
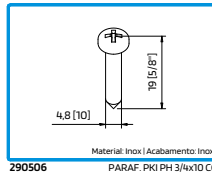
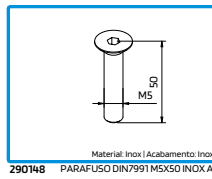
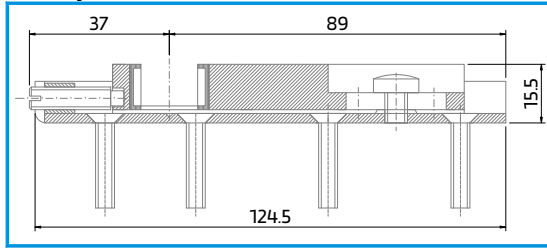
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE - WITH TOP FLUSH HINGE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG - AVEC FAUX PIVOT

**1. PIVOT SUPERIOR | TOP FLUSH HINGE | PIVOT SUPÉRIEUR**

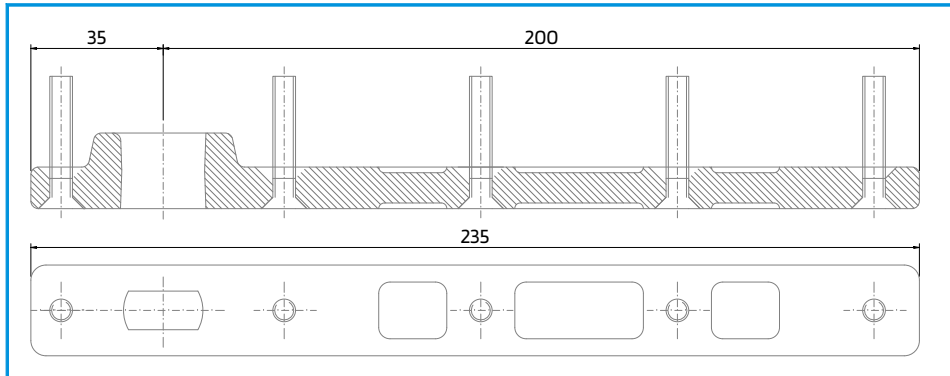


**2. BRAÇO SUPERIOR | TOP STRAP | BRAS DU HAUT**

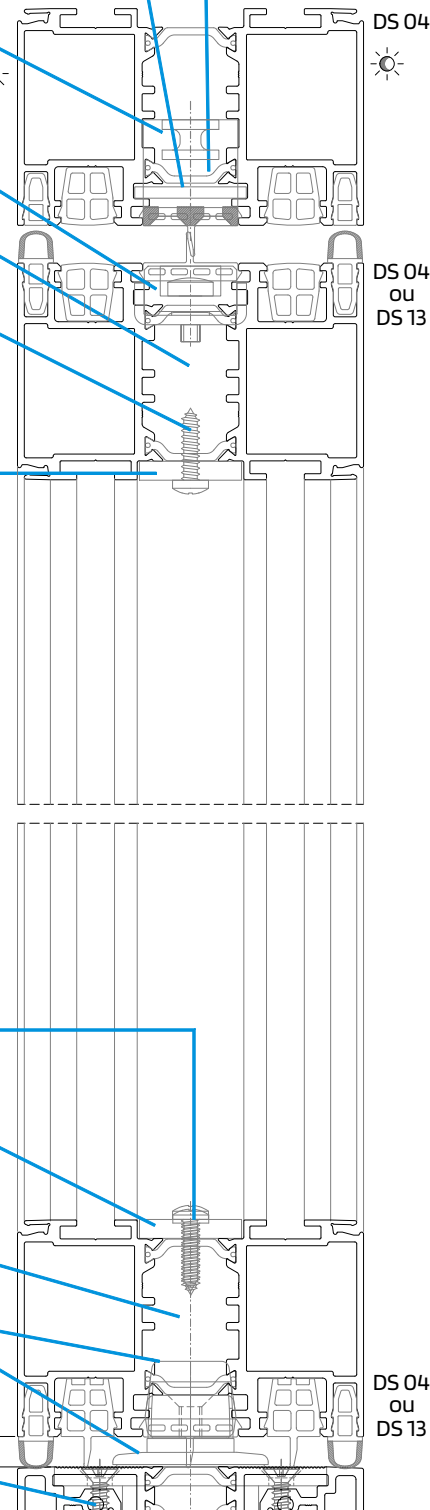
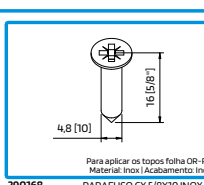
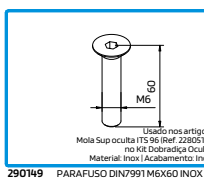
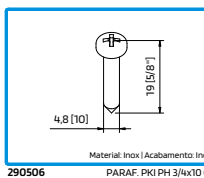
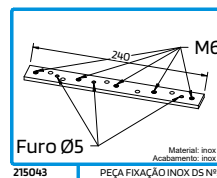
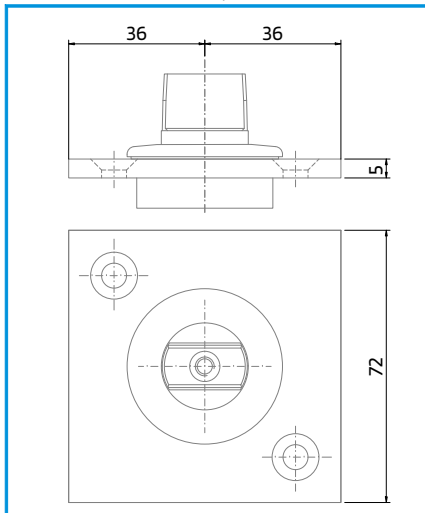


**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

**3. BRAÇO INFERIOR | BOTTOM STRAP | BRAS DU BAS**



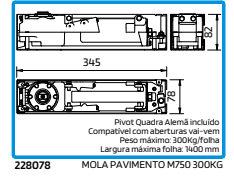
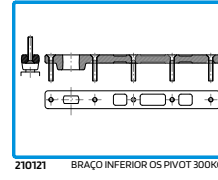
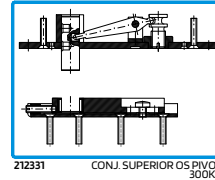
**4. RÓTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT**



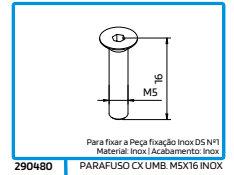
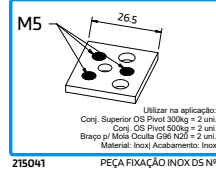
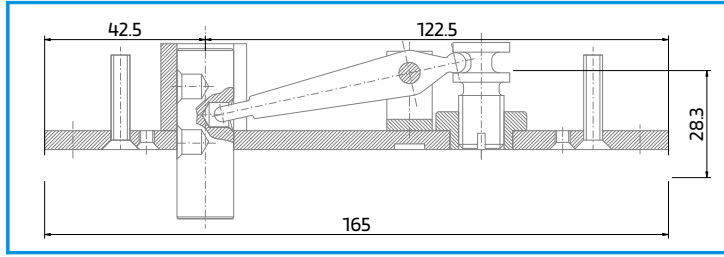
## MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG - COM MOLLA M750

### MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE - WITH M750 FLOOR SPRING

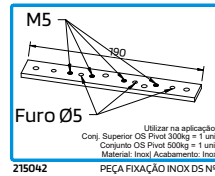
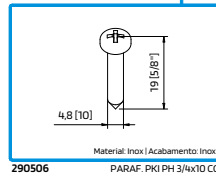
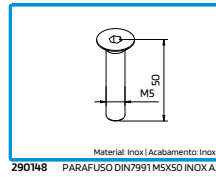
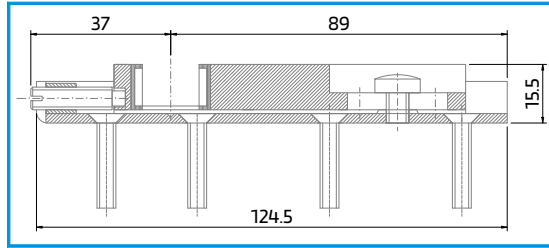
### USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG - AVEC PIVOT À FREIN M750



#### 1. PIVOT SUPERIOR | TOP FLUSH HINGE | PIVOT SUPÉRIEUR

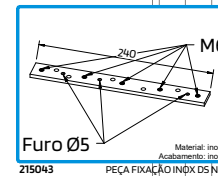
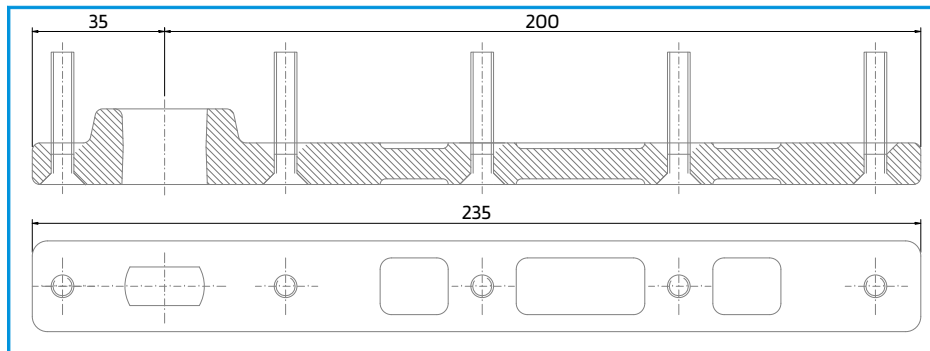


#### 2. BRAÇO SUPERIOR | TOP STRAP | BRAS DU HAUT

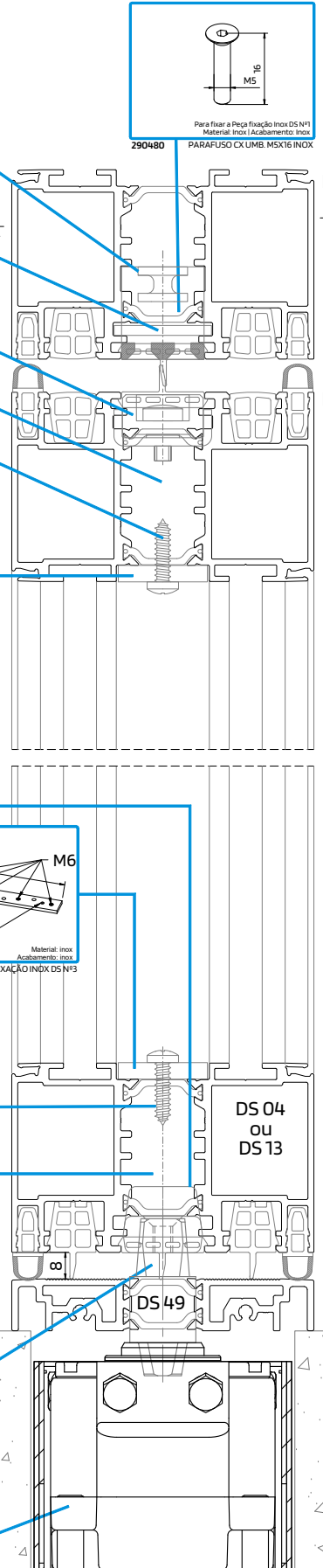
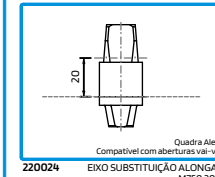
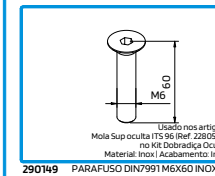
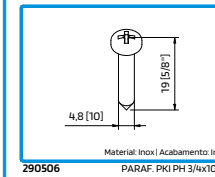
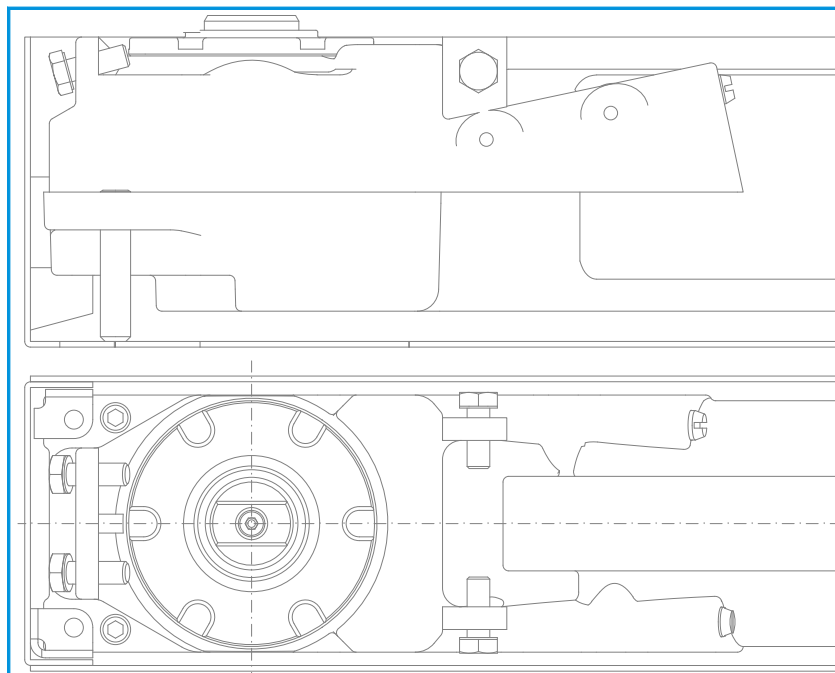


**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

#### 3. BRAÇO INFERIOR | BOTTOM STRAP | BRAS DU BAS



#### 4. MOLLA | FLOOR SPRING | PIVOT À FREIN

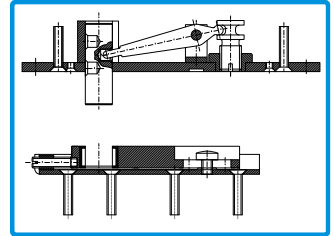


**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG**

MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

**1. PIVOT SUPERIOR | TOP FLUSH HINGE | PIVOT SUPÉRIEUR**

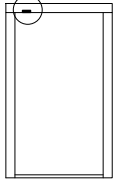


212331 CONJ. SUPERIOR OS PIVOT 300KG

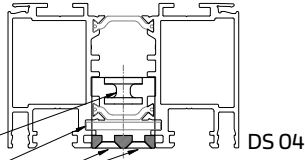
**Aros fixos**

Fixed frames | Cadres fixes

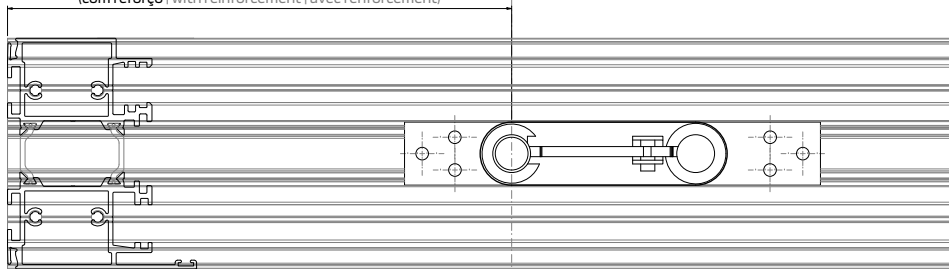
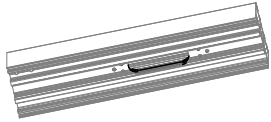
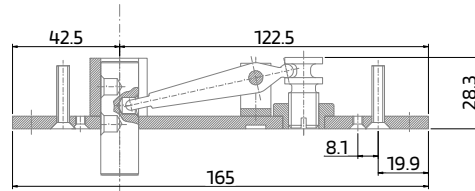
**Corte a 90°**  
90° Cut | Coupe à 90°



Ref. 212331  
Ref. 215041  
Ref. 290480

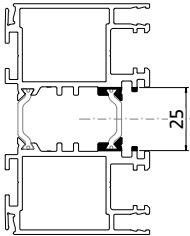


**DS 04**  
Mín | Min | Min 200mm  
(sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 350mm  
(com reforço | with reinforcement | avec renforcement)

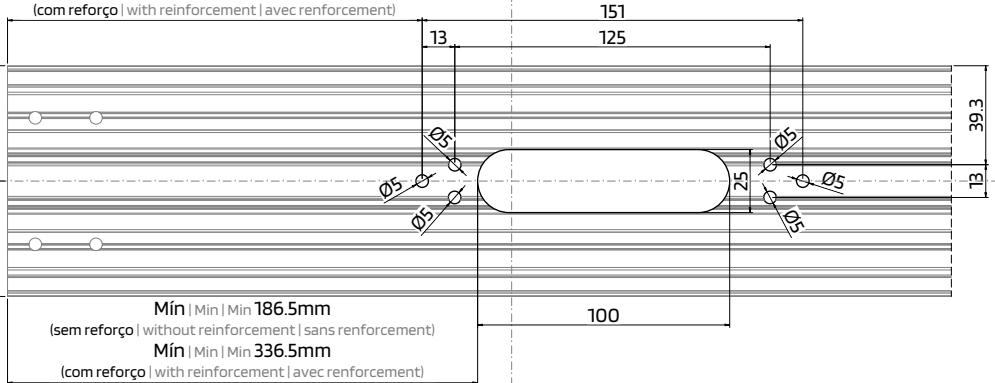


Mín | Min | Min 164.5mm  
(sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 314.5mm  
(com reforço | with reinforcement | avec renforcement)

Eixo do Pivot | Pivot axis | Axe du Pivot



DS 04



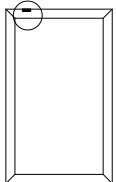
Mín | Min | Min 186.5mm  
(sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 336.5mm  
(com reforço | with reinforcement | avec renforcement)

**2. BRAÇO SUPERIOR | TOP STRAP | BRAS DU HAUT**

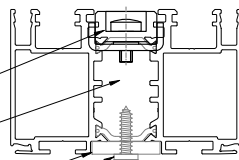
**Aros móveis**

Mobile frames | Cadres ouvrants

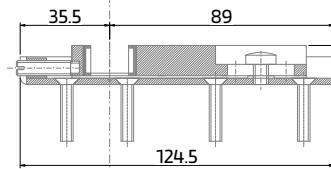
**Corte a 45°**  
45° Cut | Coupe à 45°



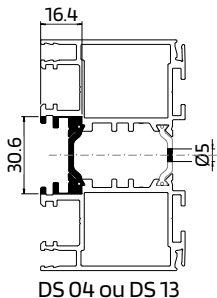
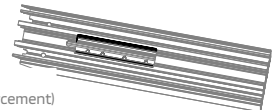
Ref. 212331  
Ref. 215148  
Ref. 215042  
Ref. 290506



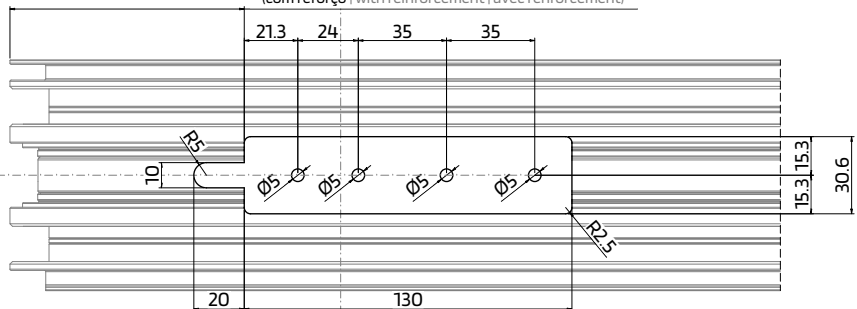
DS 04 ou DS 13



Mín | Min | Min 93mm  
(sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 243mm  
(com reforço | with reinforcement | avec renforcement)



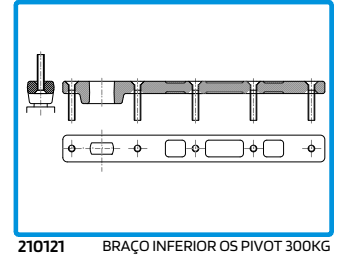
DS 04 ou DS 13



**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG**  
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE  
USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

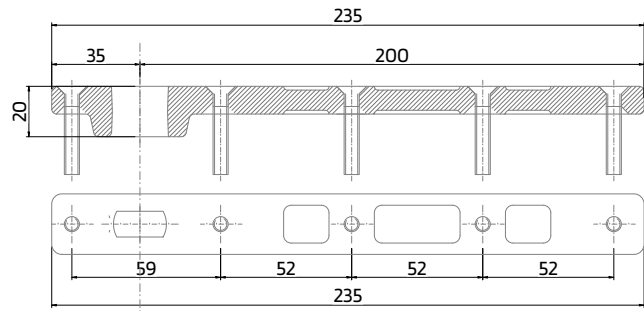
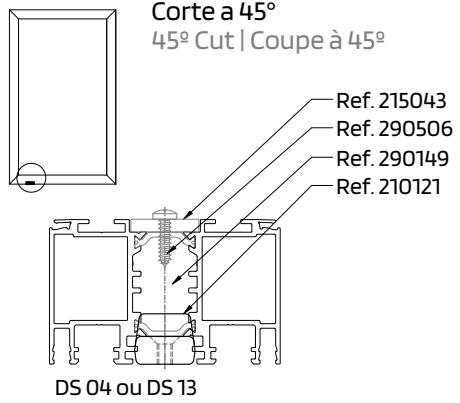
**3. BRAÇO INFERIOR | BOTTOM STRAP | BRAS DU BAS**

Aros móveis  
Mobile frames | Cadres ouvrants



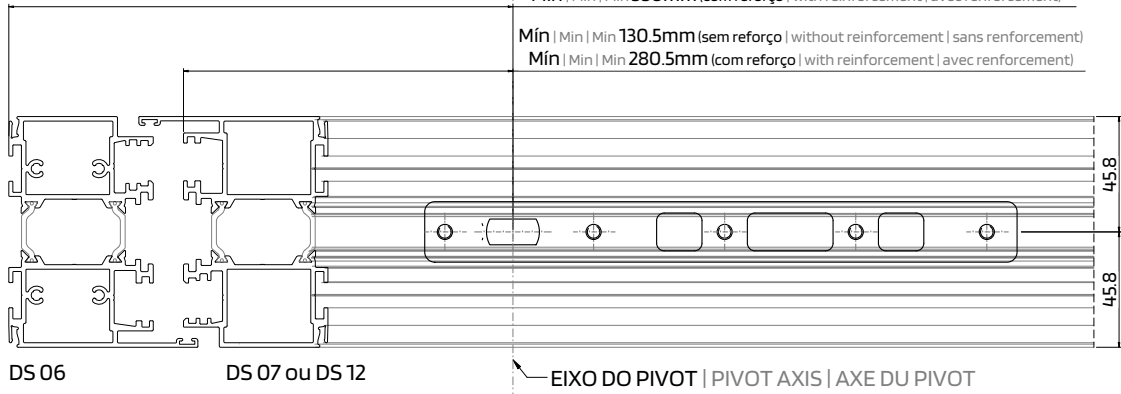
210121 BRAÇO INFERIOR OS PIVOT 300KG

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

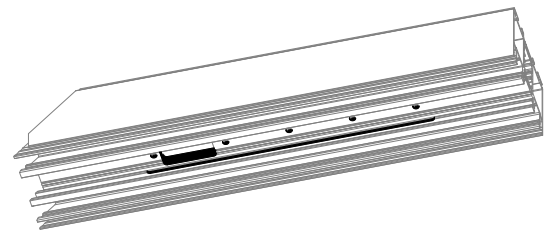
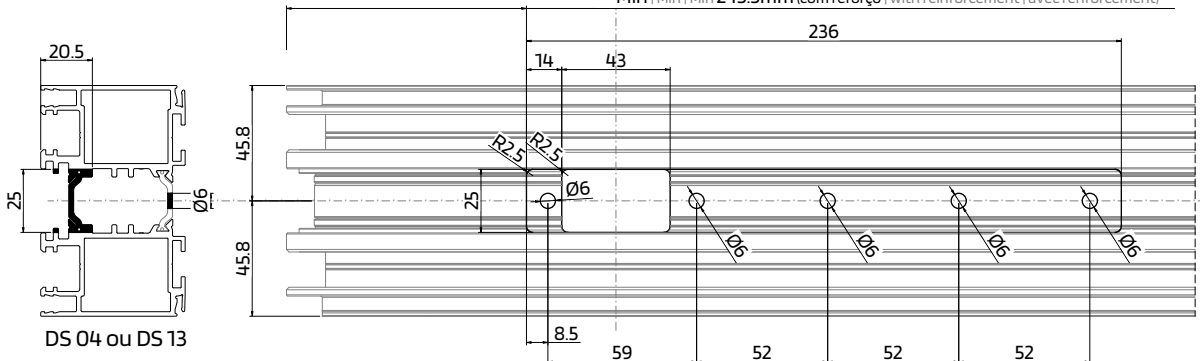


Mín | Min | Min 200mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 350mm (com reforço | with reinforcement | avec renforcement)

Mín | Min | Min 130.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 280.5mm (com reforço | with reinforcement | avec renforcement)



Mín | Min | Min 95.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 245.5mm (com reforço | with reinforcement | avec renforcement)

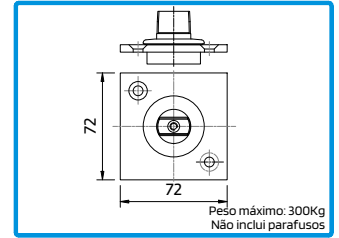


**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG**  
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE  
USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

**4. a) RÓTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT**

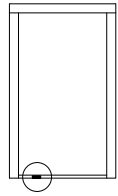
**Aros fixos**

Fixed frames | Cadres dormants

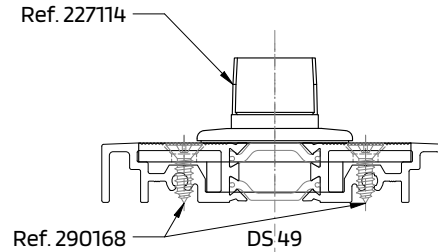


227114

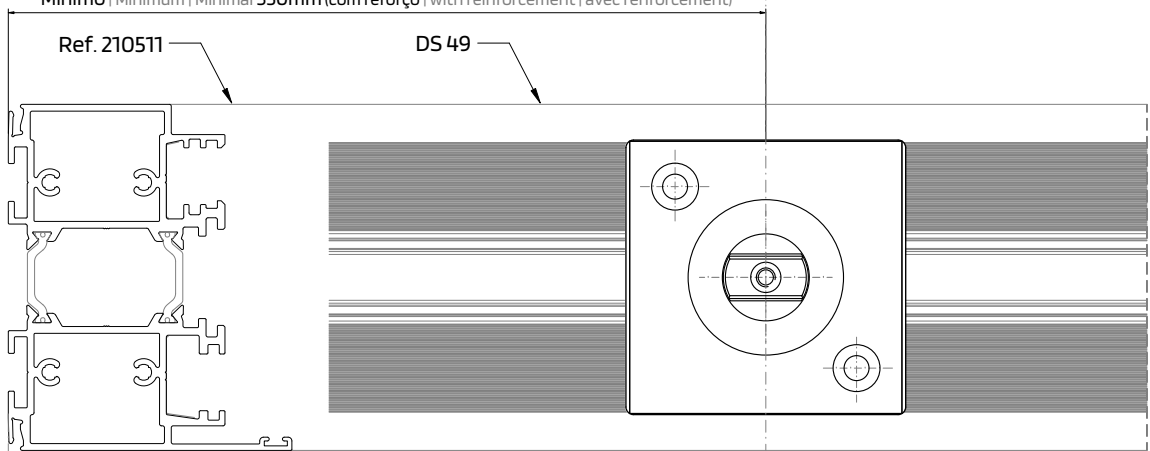
PIVOT DE CHÃO 7471 AX



Corte a 90°  
90° Cut | Coupe à 90°



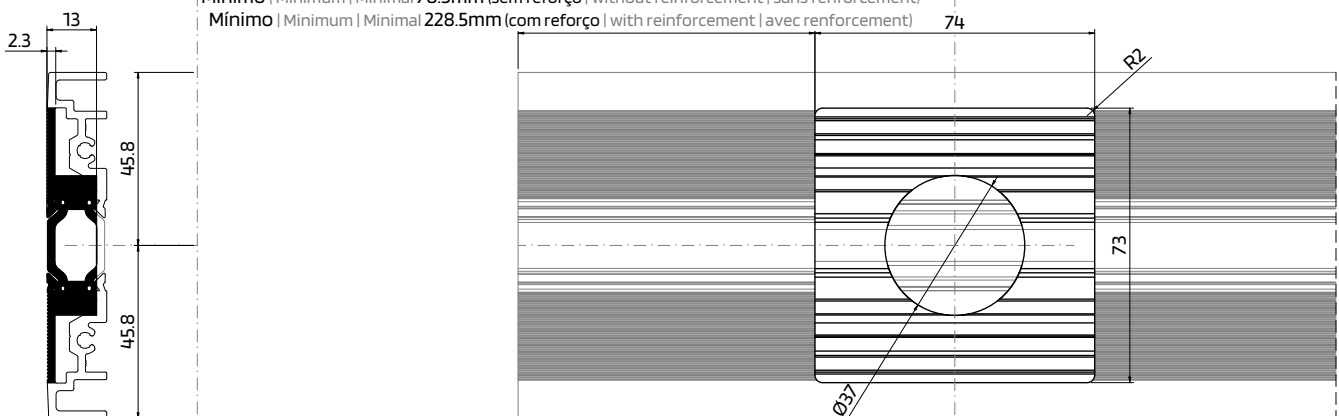
Mínimo | Minimum | Minimal 200mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 350mm (com reforço | with reinforcement | avec renforcement)



DS 06

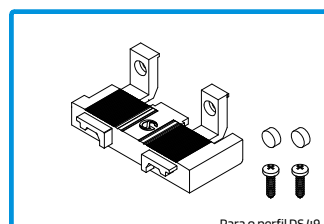
Eixo do Pivot | Pivot axis | Axe du Pivot

Mínimo | Minimum | Minimal 78.5mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 228.5mm (com reforço | with reinforcement | avec renforcement)



DS 49

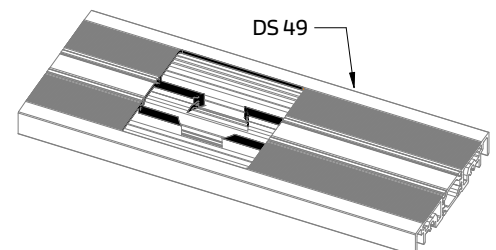
Mínimo | Minimum | Minimal 200mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 350mm (com reforço | with reinforcement | avec renforcement)



Para o perfil DS 49  
Material: Poliamida | Acabamento: Preto

210511

TOPO SOLEIRA DS DIR

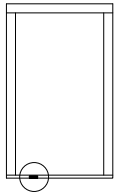
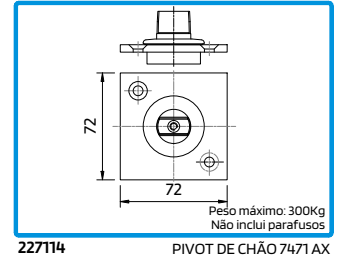


**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG**  
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE  
USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

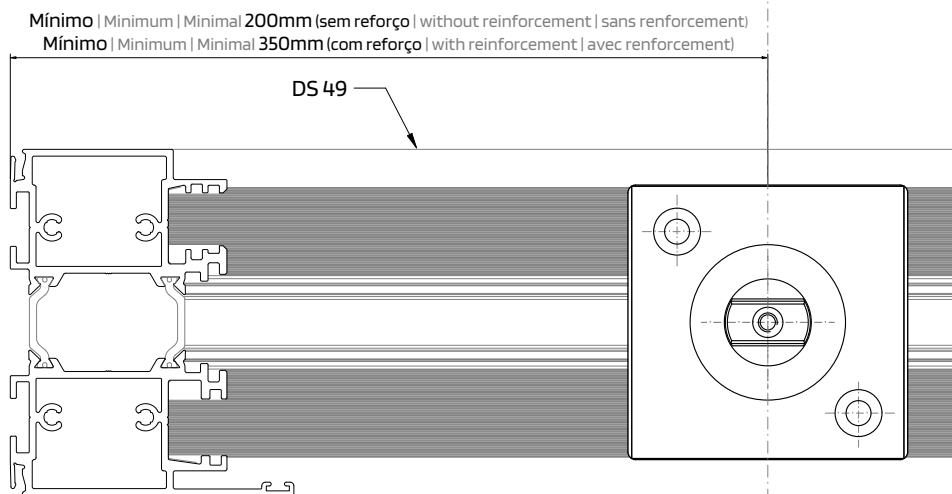
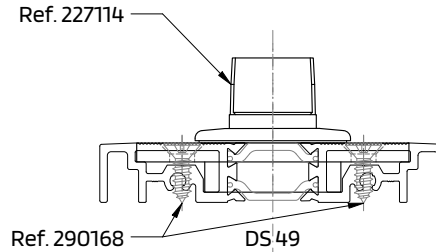
**4. a) RÓTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT**

**Aros fixos**

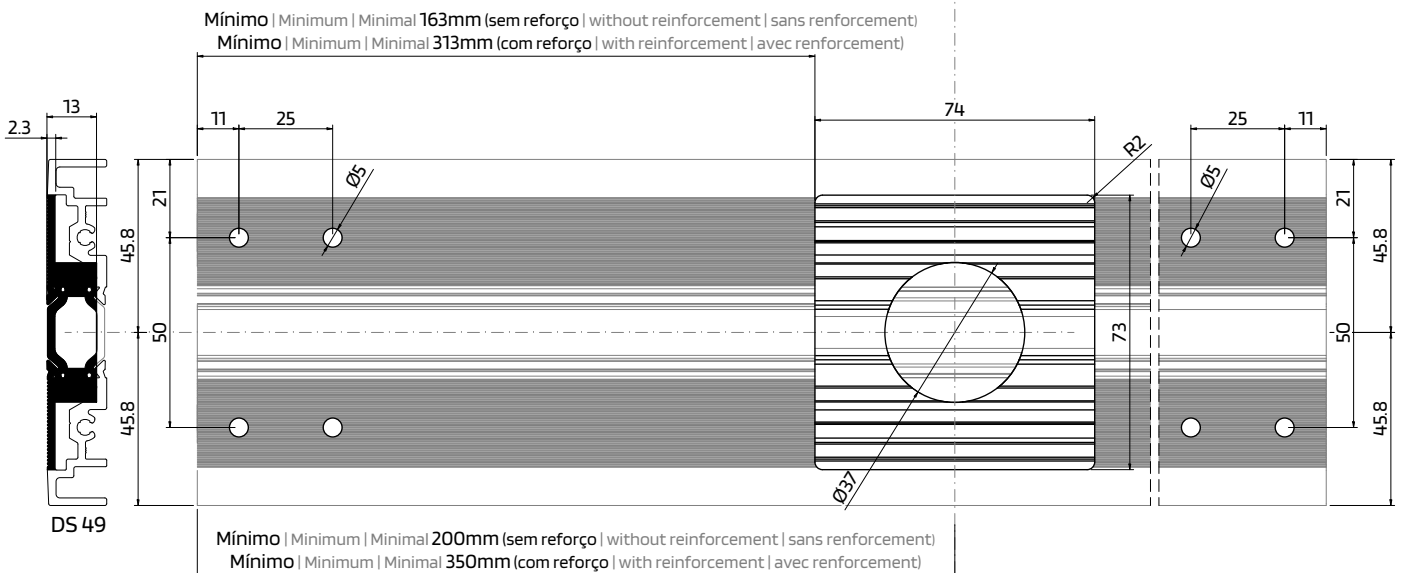
Fixed frames | Cadres dormants



Corte a 90°  
90° Cut | Coupe à 90°



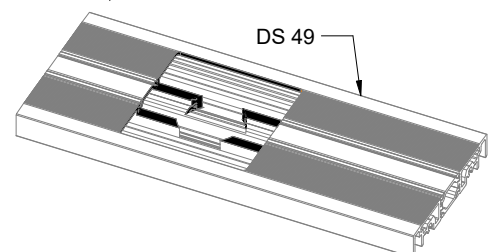
Eixo do Pivot | Pivot axis | Axe du Pivot



**Nota:** Esta operação só se aplica caso queira afixar a soleira diretamente às ombreiras.

**Note:** This operation only applies if you want to attach the sill directly to the jambs.

**Note:** Cette opération s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.

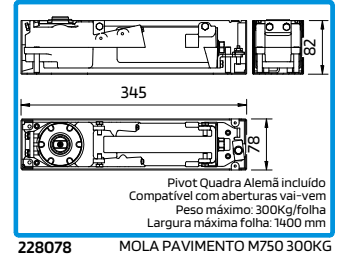


**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG**  
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE  
USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

4. b) MOLA DE PAVIMENTO M750 - 300Kg | FLOOR SPRING | PIVOT À FREIN

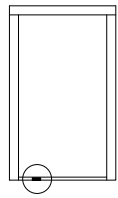
**Aros fixos**

Fixed frames | Cadres dormants

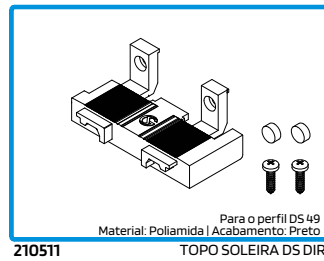


Pivot Quadra Alemã incluído  
Compatível com aberturas vai-vem  
Peso máximo: 300Kg/folha  
Largura máxima folha: 1400 mm

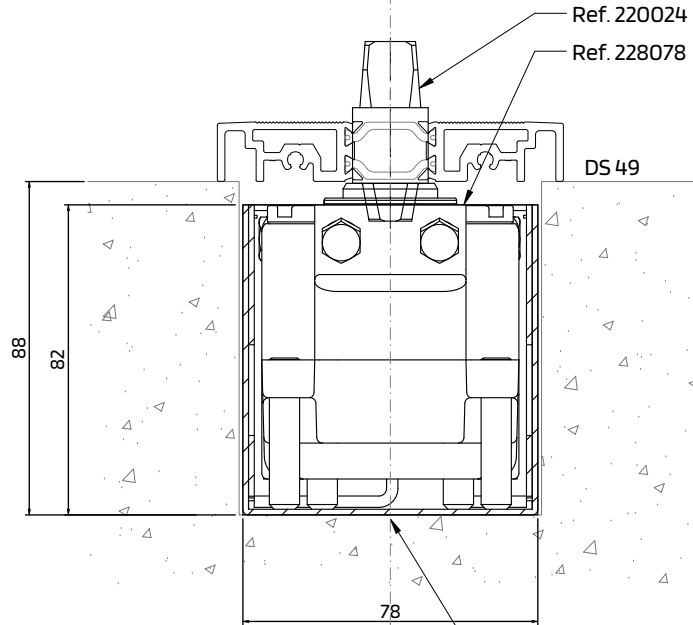
228078 MOLA PAVIMENTO M750 300KG



Corte a 90°  
90° Cut | Coupe à 90°



Para o perfil DS 49  
Material: Poliamida | Acabamento: Preto  
210511 TOPO SOLEIRA DS DIR

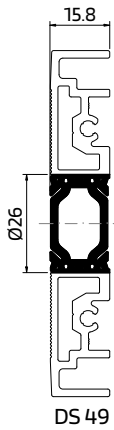


Ref. 220024  
Ref. 228078

DS 49

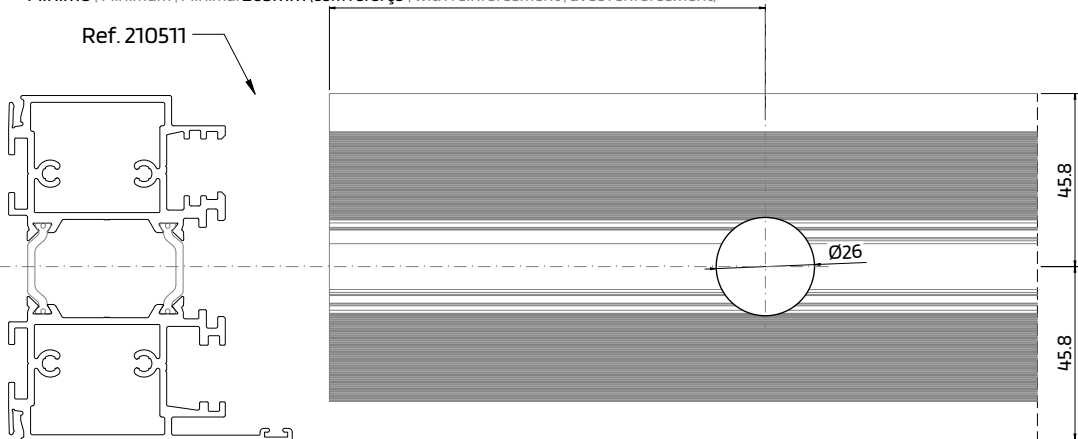
Eixo do Pivot  
| Pivot axis  
| Axe du Pivot

Mínimo | Minimum | Minimal 115mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 265mm (com reforço | with reinforcement | avec renforcement)

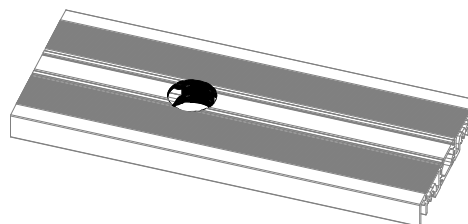


DS 49

Ref. 210511



Mínimo | Minimum | Minimal 200mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 350mm (com reforço | with reinforcement | avec renforcement)



## MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 300KG

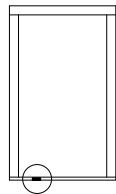
MACHINING AND FIXATIONS FOR 300KG PIVOTING HARDWARE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 300KG

### 4. b) MOLA DE PAVIMENTO M750 - 300Kg | FLOOR SPRING | PIVOT À FREIN

#### Aros fixos

Fixed frames | Cadres dormants



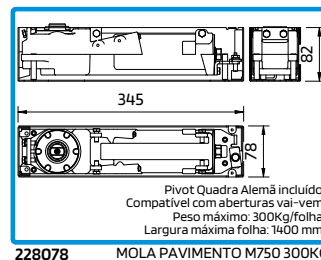
Corte a 90°

90° Cut | Coupe à 90°

**Nota:** Esta operação só se aplica caso queira fixar a soleira diretamente às ombreiras.

**Note:** This operation only applies if you want to attach the sill directly to the jambs.

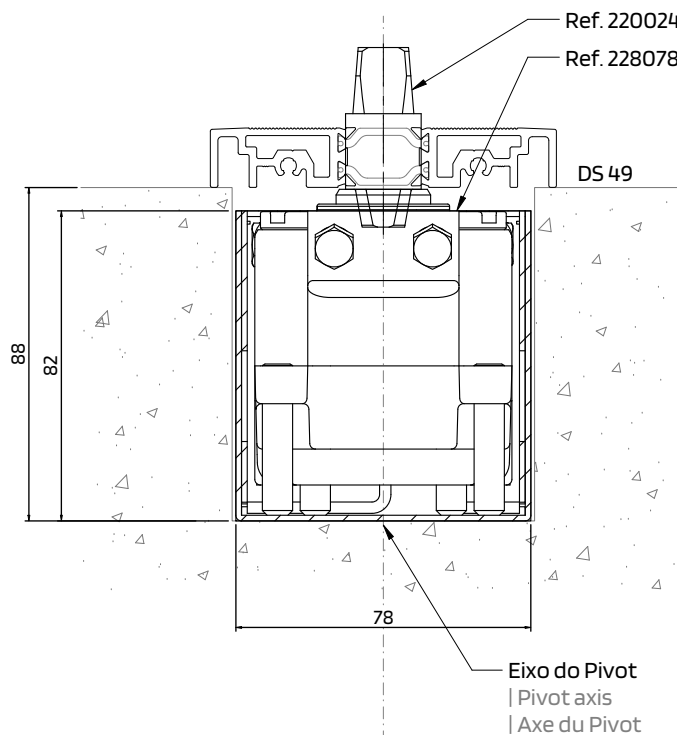
**Note:** Cette opération s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.



228078

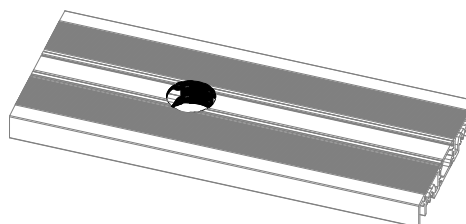
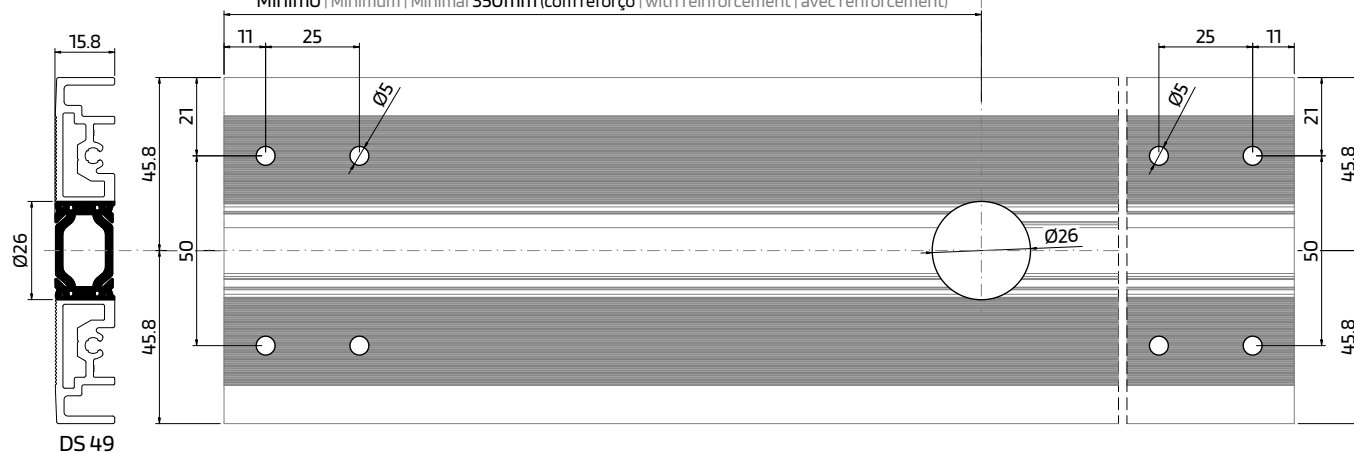
MOLA PAVIMENTO M750 300KG

Pivot Quadra Alemã incluído  
Compatível com aberturas vai-vem  
Peso máximo: 300Kg/folha  
Largura máxima folha: 1400 mm



Mínimo | Minimum | Minimal 200mm (sem reforço | without reinforcement | sans renforcement)

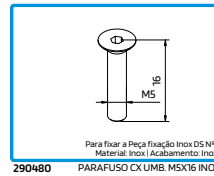
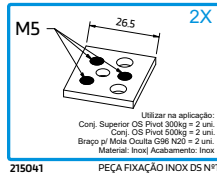
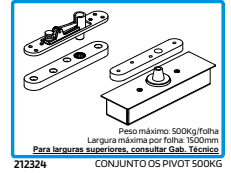
Mínimo | Minimum | Minimal 350mm (com reforço | with reinforcement | avec renforcement)



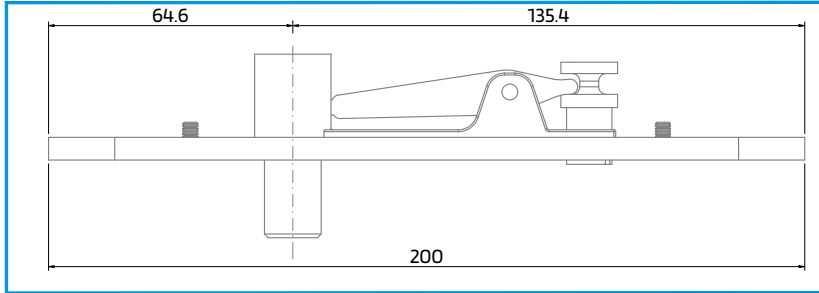
**MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 500KG**

MACHINING AND FIXATIONS FOR 500KG PIVOTING HARDWARE

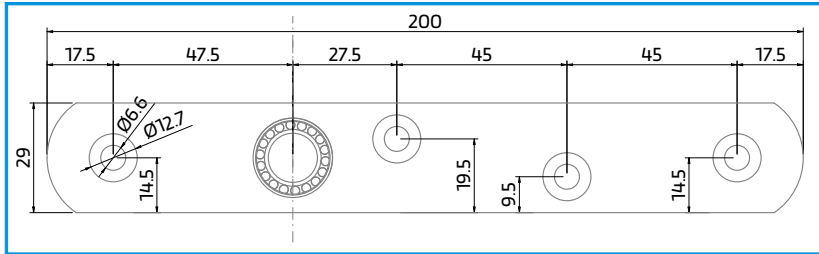
USINAGES ET FIXATIONS POUR FERRURES PIVOT 500KG



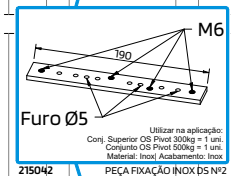
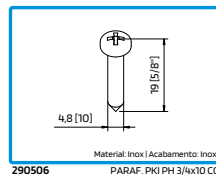
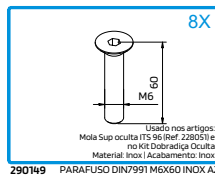
1. PIVOT SUPERIOR | TOP FLUSH HINGE | PIVOT SUPÉRIEUR \*



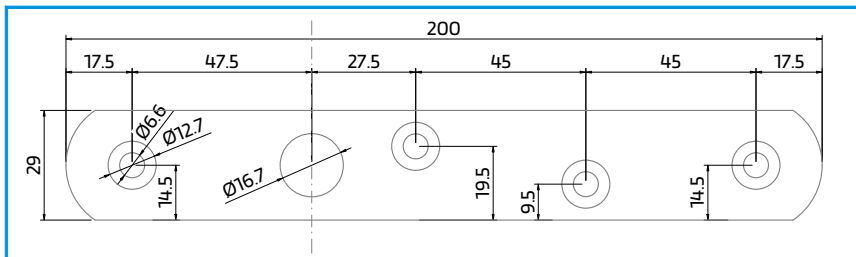
2. BRAÇO SUPERIOR | TOP STRAP | BRAS DU HAUT \*



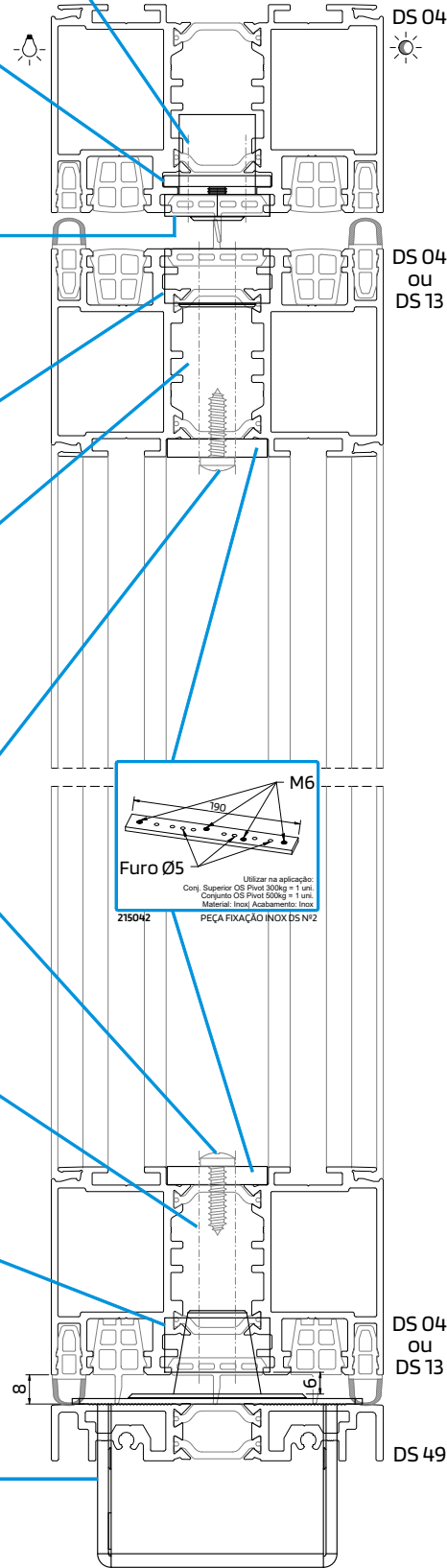
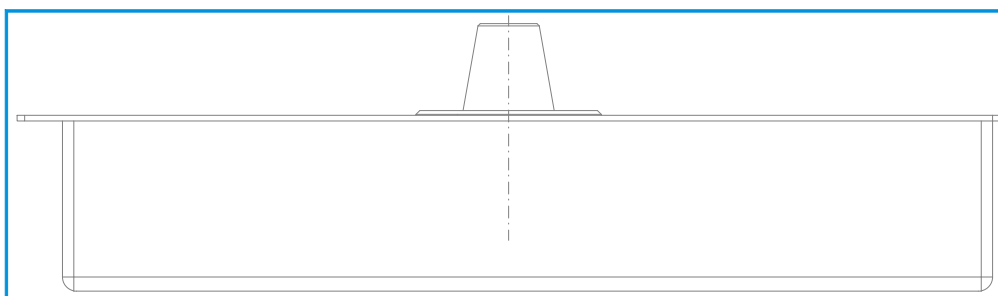
**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre



3. BRAÇO INFERIOR | BOTTOM STRAP | BRAS DU BAS \*



4. RÓTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT



\* As peças fornecidas pela Sosoares já têm 29mm de largura  
The parts supplied by Sosoares already have a width of 29mm | Les pièces fournies par Sosoares ont déjà une largeur de 29 mm

## MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 500KG

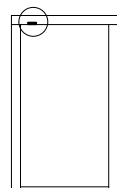
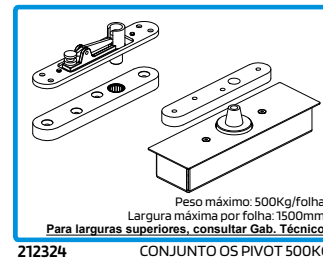
MACHINING AND FIXATIONS FOR 500KG PIVOTING HARDWARE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 500KG

### 1. PIVOT SUPERIOR | TOP FLUSH HINGE | PIVOT SUPÉRIEUR

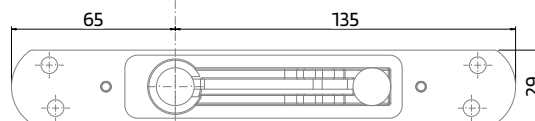
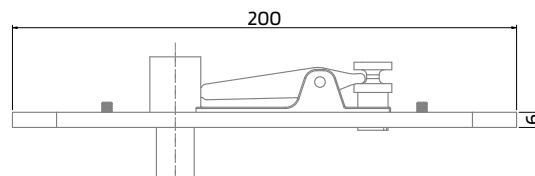
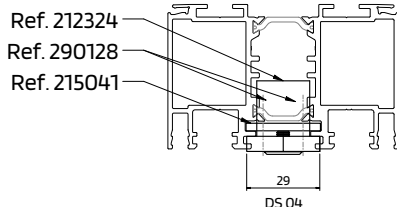
#### Aros fixos

Fixed frames | Cadres fixes

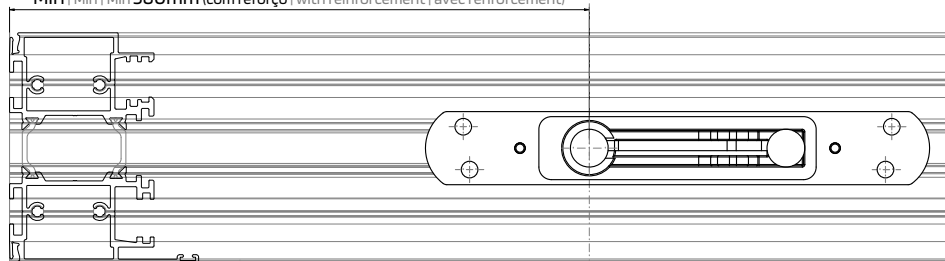


Corte a 90°

90° Cut | Coupe à 90°



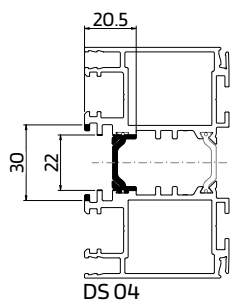
Mín | Min | Min 230mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 380mm (com reforço | with reinforcement | avec renforcement)



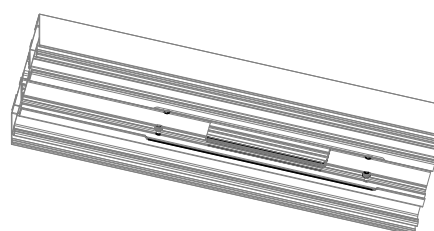
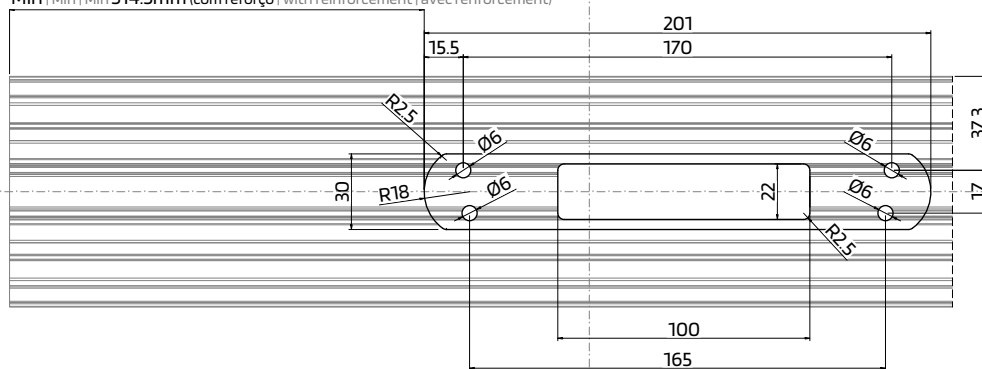
DS 06

Eixo do Pivot | Pivot axis | Axe du Pivot

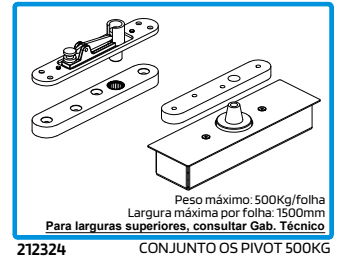
Mín | Min | Min 164.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 314.5mm (com reforço | with reinforcement | avec renforcement)



DS 04



**FERRAGENS PIVOT 500KG - MAQUINAÇÕES E FIXAÇÕES**  
500KG PIVOTING HARDWARE - MACHINING AND FIXATIONS  
FERRURES PIVOT 500KG - USINAGES ET FIXATIONS

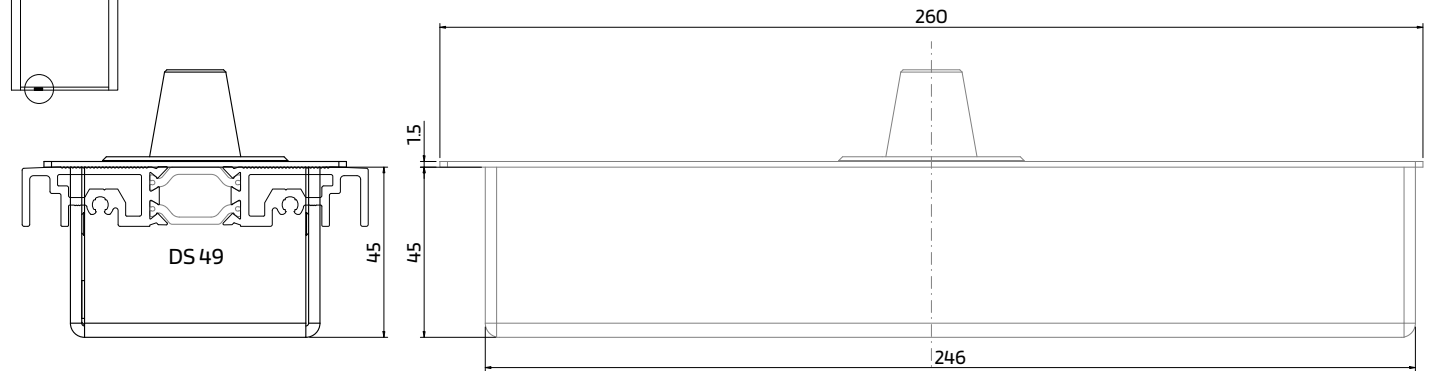


**4. RÔTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT**

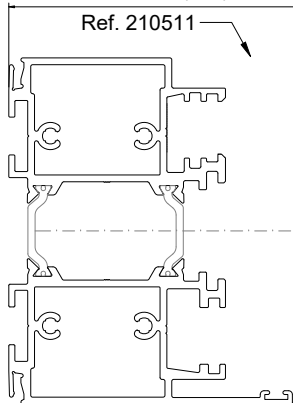
**Aros fixos**

Fixed frames | Cadres dormants

Corte a 90°  
90° Cut | Coupe à 90°

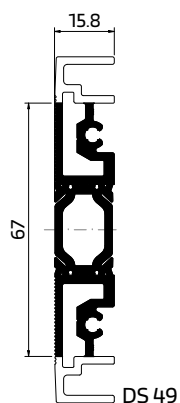


Mín | Min | Min 230mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 380mm (com reforço | with reinforcement | avec renforcement)

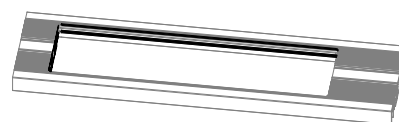
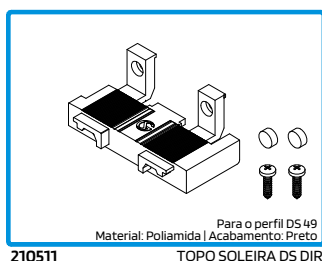
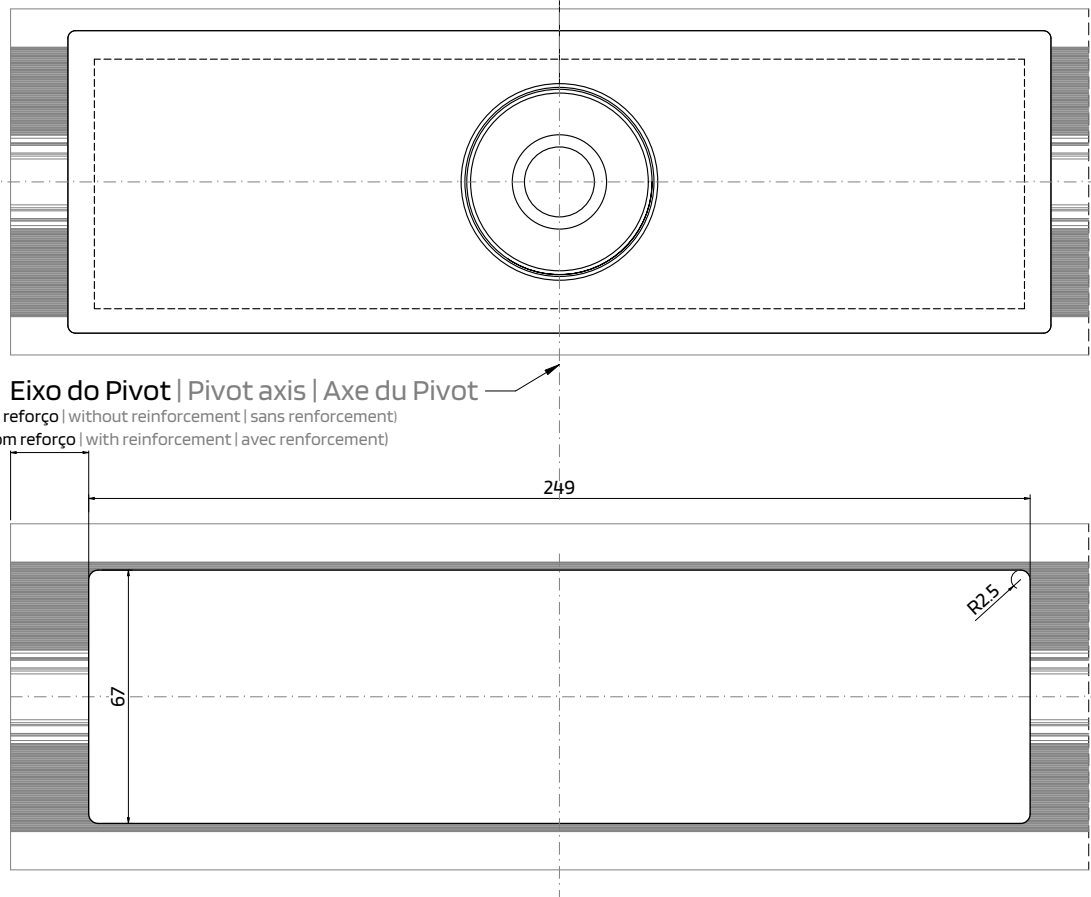


DS 06

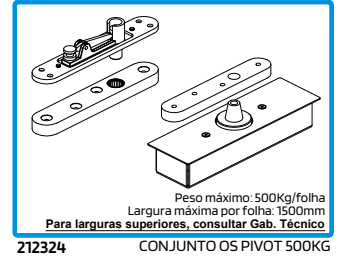
Mínimo | Minimum | Minimal 21mm (sem reforço | without reinforcement | sans renforcement)  
Mínimo | Minimum | Minimal 17mm (com reforço | with reinforcement | avec renforcement)



DS 49



**FERRAGENS PIVOT 500KG - MAQUINAÇÕES E FIXAÇÕES**  
500KG PIVOTING HARDWARE - MACHINING AND FIXATIONS  
FERRURES PIVOT 500KG - USINAGES ET FIXATIONS



**4. RÔTULA INFERIOR | FLOOR PIVOT BEARING | FAUX PIVOT**

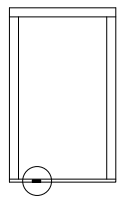
**Aros fixos**

Fixed frames | Cadres dormants

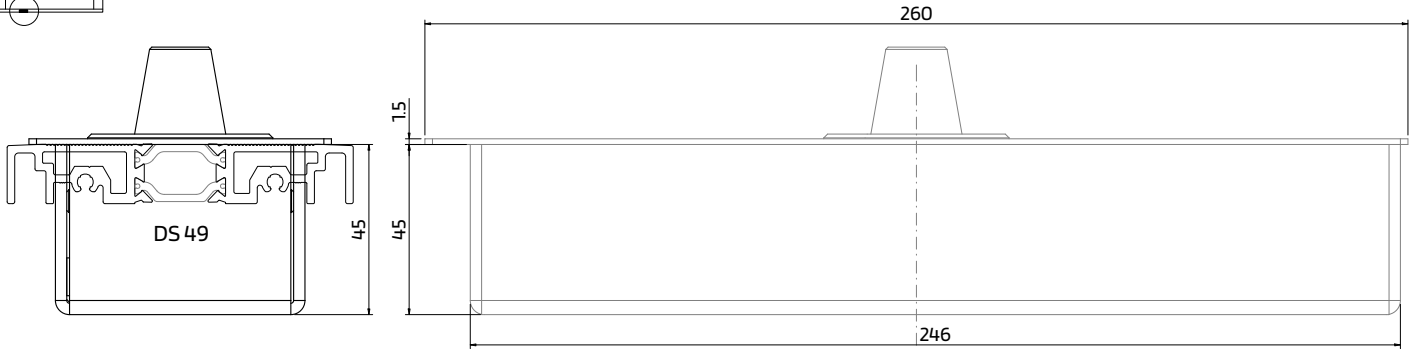
**Nota:** Esta operação só se aplica caso se queira fixar a soleira diretamente às ombreiras.

**Note:** This operation only applies if you want to fix the sill directly to the jambs.

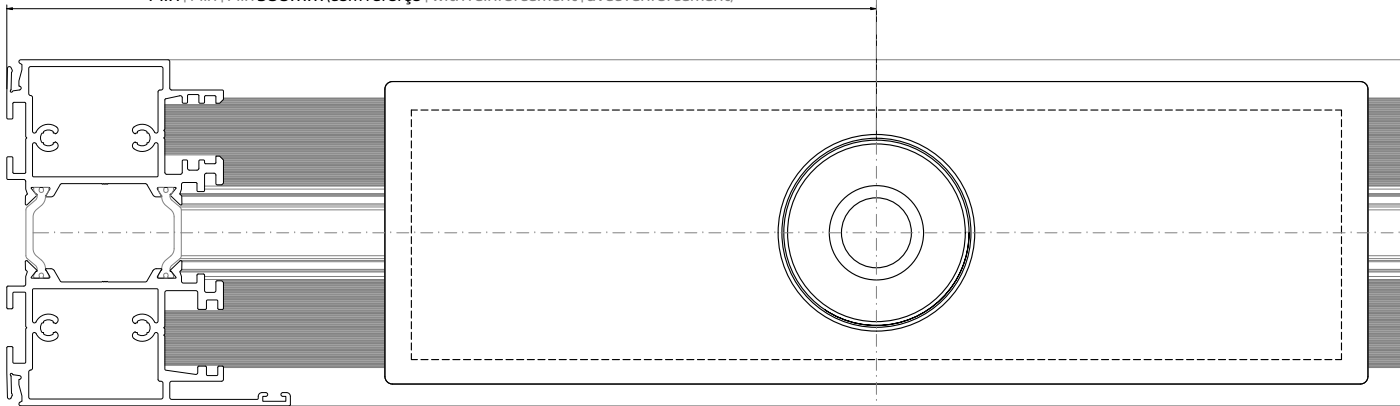
**Note:** Cette opération s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.



Corte a 90°  
90° Cut | Coupe à 90°



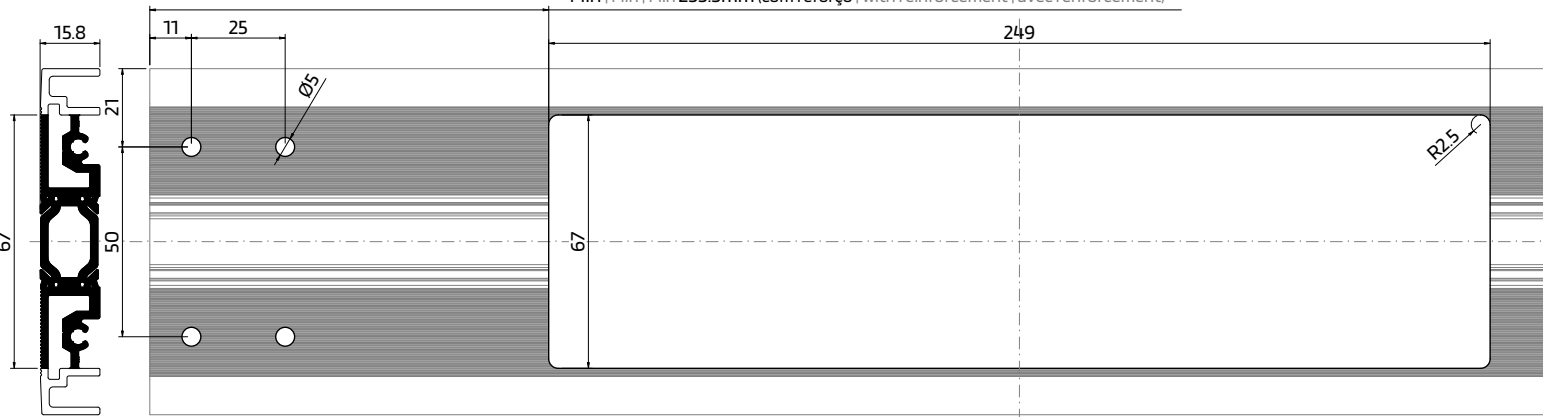
Mín | Min | Min 230mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 380mm (com reforço | with reinforcement | avec renforcement)



DS 06

Eixo do Pivot | Pivot axis | Axe du Pivot

Mín | Min | Min 105.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 255.5mm (com reforço | with reinforcement | avec renforcement)



DS 49



## MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 500KG

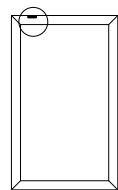
MACHINING AND FIXATIONS FOR 500KG PIVOTING HARDWARE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 500KG

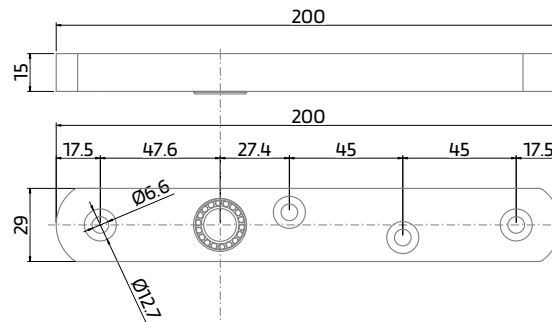
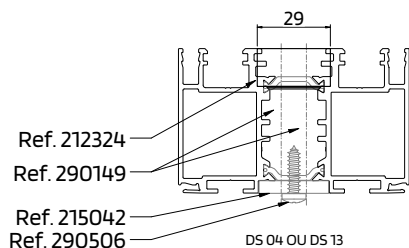
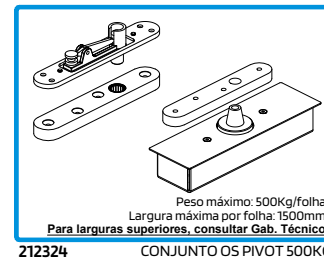
### 2. BRAÇO SUPERIOR | TOP STRAP | BRAS DU HAUT

#### Aros móveis

Mobile frames | Cadres ouvrants

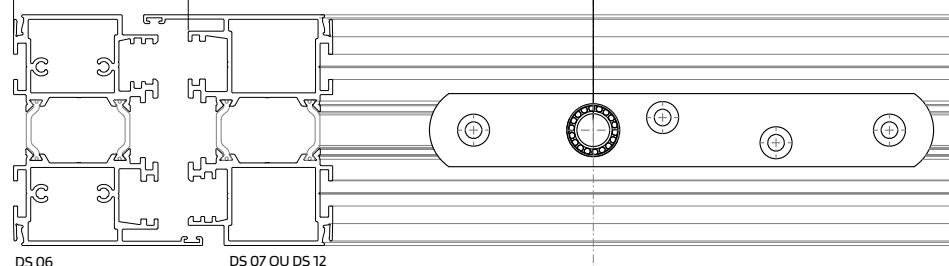


Corte a 45°  
45° Cut | Coupe à 45°

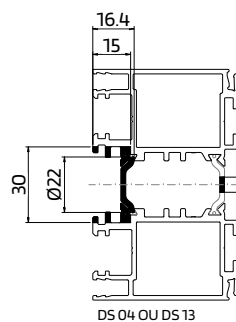


Mín | Min | Min 230mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 380mm (com reforço | with reinforcement | avec renforcement)

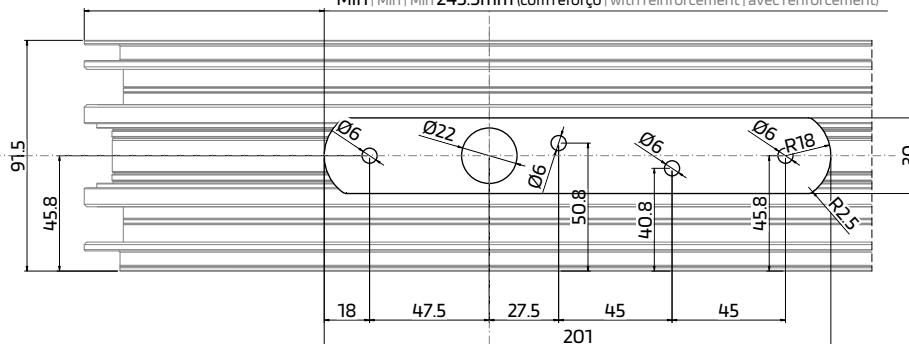
Mín | Min | Min 160.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 310.5mm (com reforço | with reinforcement | avec renforcement)



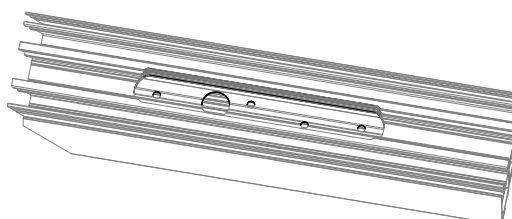
Eixo do Pivot | Pivot axis | Axe du Pivot



Mín | Min | Min 95.5mm (sem reforço | without reinforcement | sans renforcement)  
Mín | Min | Min 245.5mm (com reforço | with reinforcement | avec renforcement)



**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre



## MAQUINAÇÕES E FIXAÇÕES PARA FERRAGENS PIVOT 500KG

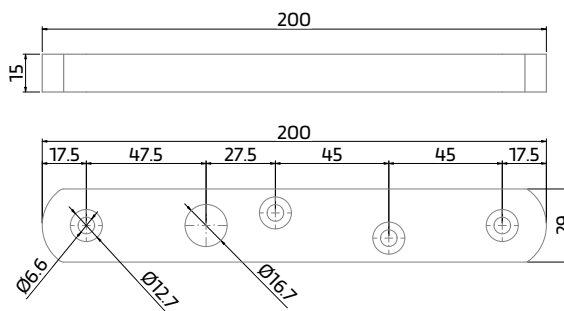
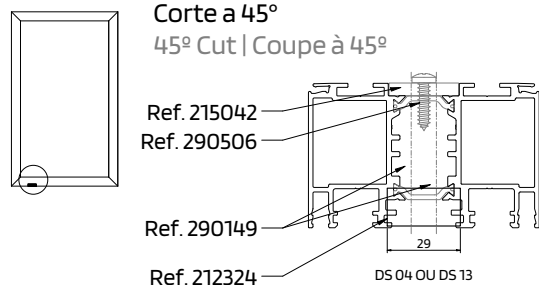
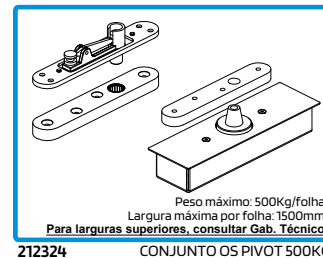
MACHINING AND FIXATIONS FOR 500KG PIVOTING HARDWARE

USINAGES ET FIXATIONS POUR FERRURES PIVOT 500KG

### 3. BRAÇO INFERIOR | BOTTOM STRAP | BRAS DU BAS

#### Aros móveis

Mobile frames | Cadres ouvrants

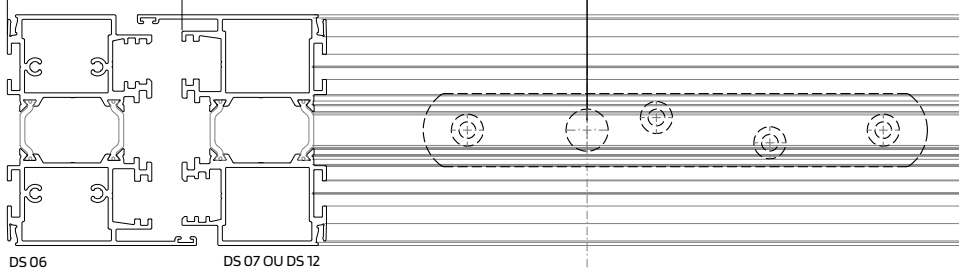


Mín | Min | Min 230mm (sem reforço | without reinforcement | sans renforcement)

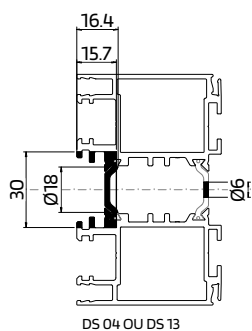
Mín | Min | Min 380mm (com reforço | with reinforcement | avec renforcement)

Mín | Min | Min 160.5mm (sem reforço | without reinforcement | sans renforcement)

Mín | Min | Min 310.5mm (com reforço | with reinforcement | avec renforcement)

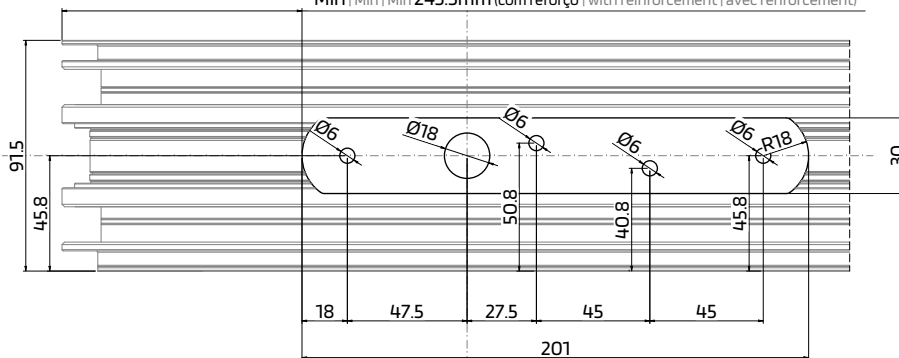


Eixo do Pivot | Pivot axis | Axe du Pivot

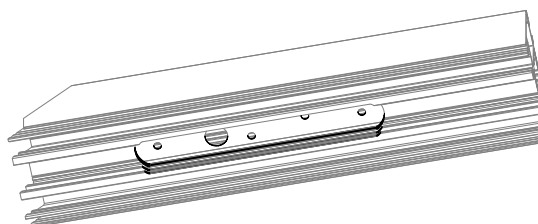


Mín | Min | Min 95.5mm (sem reforço | without reinforcement | sans renforcement)

Mín | Min | Min 245.5mm (com reforço | with reinforcement | avec renforcement)



**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre



**MAQUINAÇÕES E FIXAÇÕES PARA MOLA SUPERIOR OCULTA EN 2-4 ITS 96**

MACHINING AND FIXATIONS FOR EN 2-4 ITS 96 UPPER CONCEALED DOOR CLOSER

USINAGES ET FIXATIONS POUR FERME-PORTES SUPÉRIEUR D'ENCASTRÉ EN 2-4 ITS 96

Para portas com:  
Lfolha=1100mm máximo  
Peso máximo/folha=100Kg  
Ângulo de abertura máximo: 120°  
Aplicar com parafusos DIN7991 M6x60 INOX A2

**228051** MOLA SUP. OCULTA EN 2-4 ITS 96

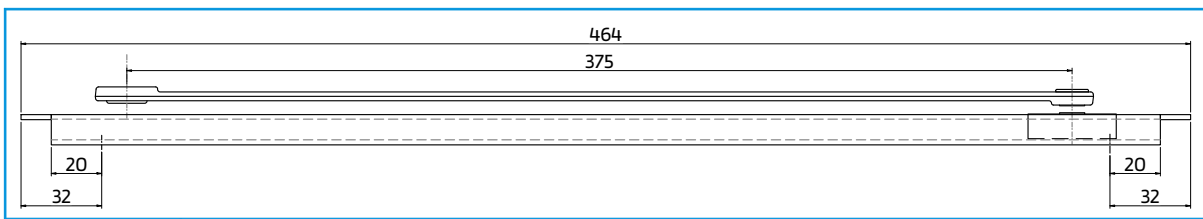
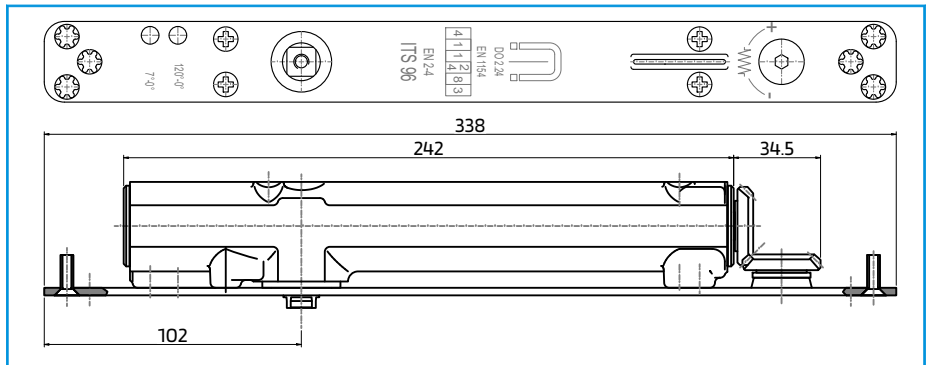
ESQUERDO INTERIOR DIREITO INTERIOR

Brços para Mola Oculta ITS 96  
Aplicar com parafusos DIN7991 M6x50 INOX A2

**210117** BR. P/ MOLA OCULTA G96 N20 ESQ.  
**210118** BR. P/ MOLA OCULTA G96 N20 DIR.

Material: ABS | Acabamento: Preto

**203309** COPO P/ MOLA OCULTA ITS 96



Material: ABS | Acabamento: Preto

**203309** COPO P/ MOLA OCULTA ITS 96

Calço 1mm  
Shim | Cale

Material: Inox | Acabamento: Inox

**290148** PARAFUSO DIN7991 M6X50 INOX A2

Material: Inox | Acabamento: Inox

**290506** PARAF. PKI PH 3/4x10 CQ

Furo Ø5 M5

Utilizar na aplicação:  
Conj. Superior OS Pivot 300kg = 2 uni.  
Conj. OS Pivot 500kg = 2 uni.  
Braço p/ Mola Oculta G96 N20 = 2 uni.  
Material: Inox | Acabamento: Inox

**215041** PEÇA FIXAÇÃO INOX DS N1

Material: Inox | Acabamento: Inox

**290506** PARAF. PKI PH 3/4x10 CQ

M6 35 35 5

Furo Ø5

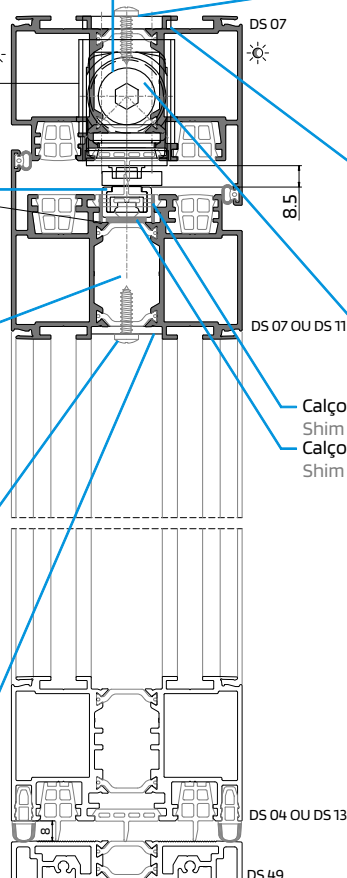
Para Mola sup. oculta EN 2-4 ITS 96  
Material: Inox | Acabamento: Inox

**215506** PEÇA FIXAÇÃO MOLA SUP. OC. ITS 96

M6 60

Utilizar nos artigos:  
Mola Sup oculta ITS 96 (Ref: 228051) e  
no Kit Dobradilha Oculta  
Material: Inox | Acabamento: Inox

**290149** PARAFUSO DIN7991 M6X60 INOX A2



**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

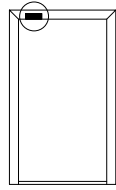
## MAQUINAÇÕES E FIXAÇÕES PARA MOLA SUPERIOR OCULTA EN 2-4 ITS 96

MACHINING AND FIXATIONS FOR EN 2-4 ITS 96 UPPER CONCEALED DOOR CLOSER

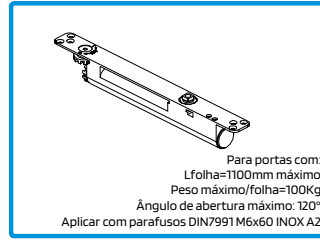
USINAGES ET FIXATIONS POUR FERME-PORTES SUPÉRIEUR D'ENCASTRÉ EN 2-4 ITS 96

### Aros fixos

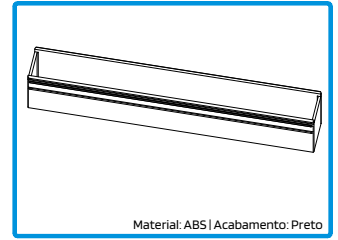
Fixed frames | Cadres fixes



Corte a 45°  
45° Cut | Coupe à 45°



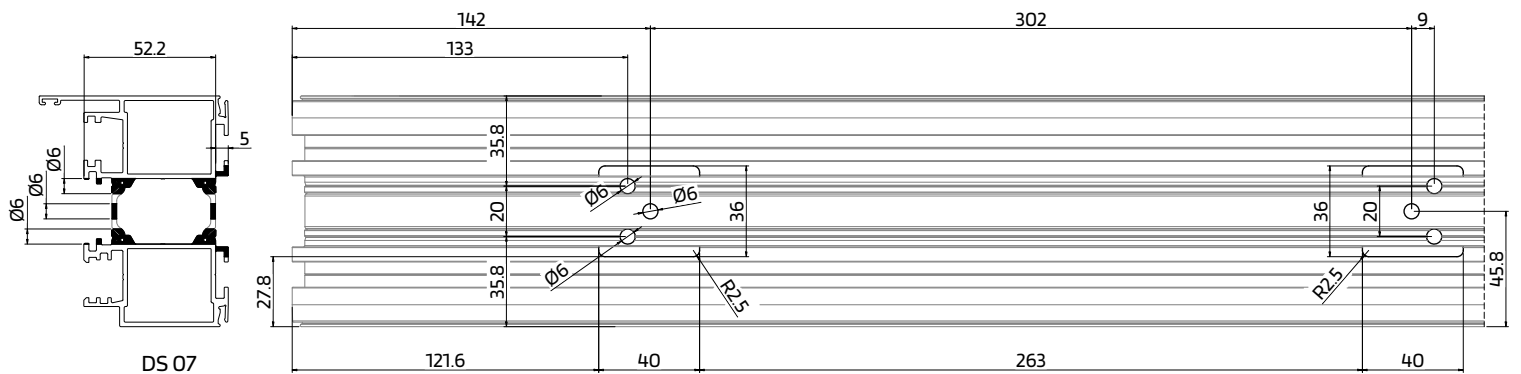
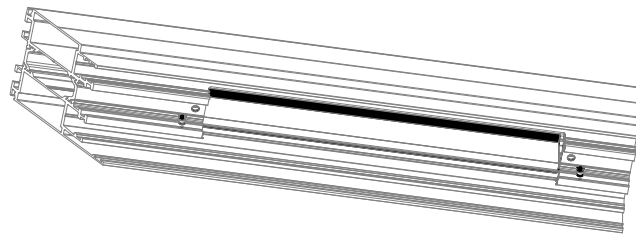
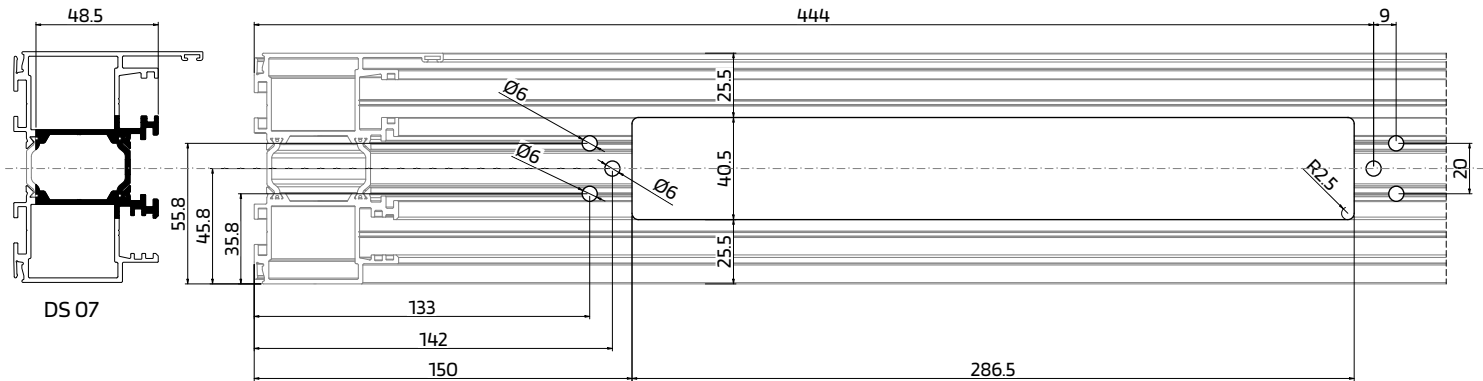
228051 MOLA SUP. OCULTA EN 2-4 ITS 96



203309 COPO P/ MOLA OCULTA ITS 96

Para portas com:  
Lfolha=1100mm máximo  
Peso máximo/folha=100Kg  
Ângulo de abertura máximo: 120°  
Aplicar com parafusos DIN7991 M6x60 INOX A2

Material: ABS | Acabamento: Preto



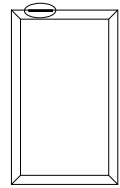
**MAQUINAÇÕES E FIXAÇÕES PARA MOLA SUPERIOR OCULTA EN 2-4 ITS 96**

MACHINING AND FIXATIONS FOR EN 2-4 ITS 96 UPPER CONCEALED DOOR CLOSER

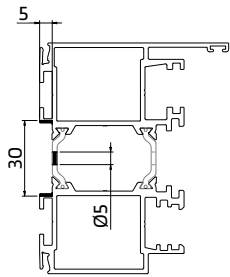
USINAGES ET FIXATIONS POUR FERME-PORTES SUPÉRIEUR D'ENCASTRÉ EN 2-4 ITS 96

**Aros móveis**

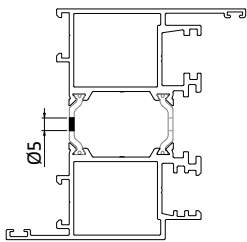
Mobile frames | Cadres ouvrants



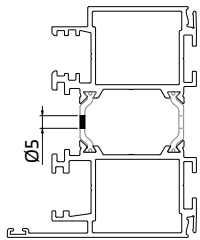
**Corte a 45°**  
45° Cut | Coupe à 45°



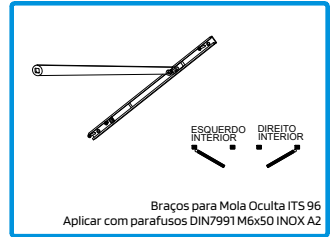
DS 07



DS 11



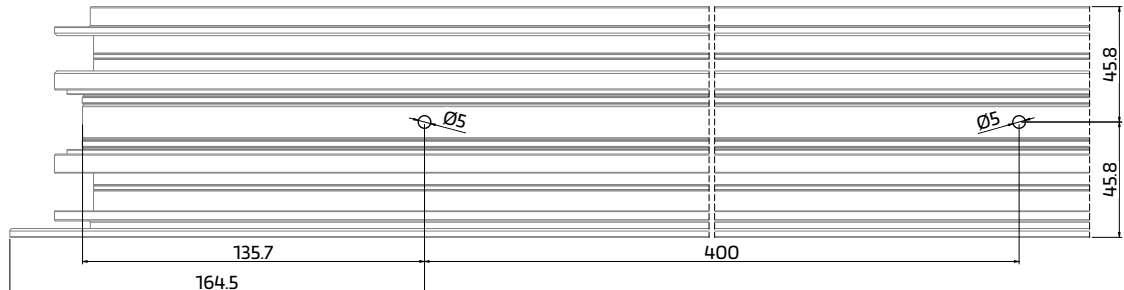
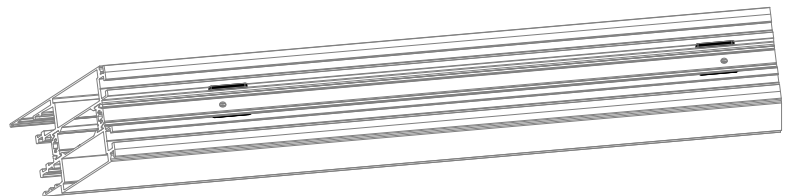
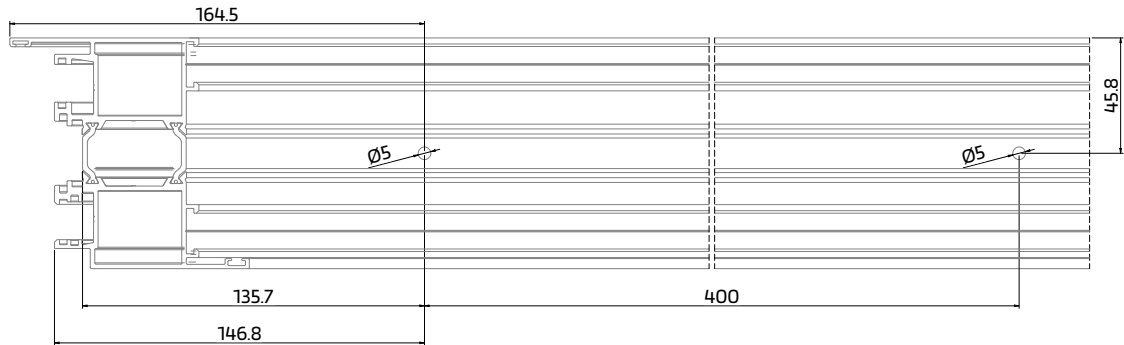
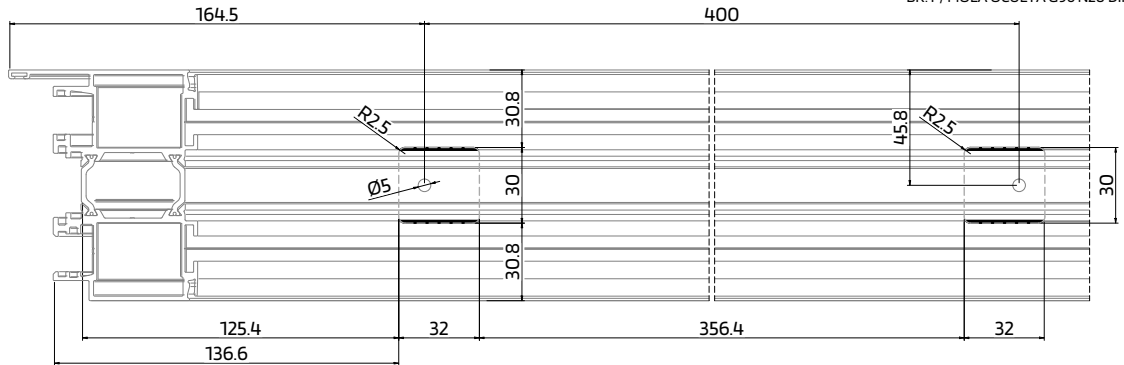
DS 07 OU DS 11



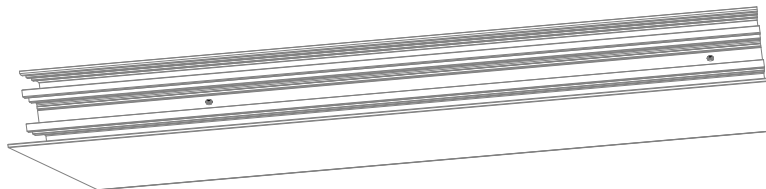
Braços para Mola Oculta ITS 96  
Aplicar com parafusos DIN7991 M6x50 INOX A2

210117  
210118

BR. P/ MOLA OCULTA G96 N20 ESQ.  
BR. P/ MOLA OCULTA G96 N20 DIR.

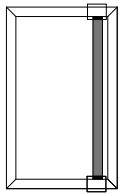


**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

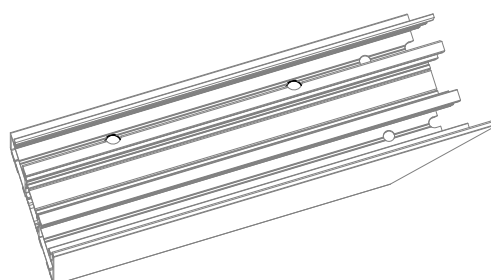
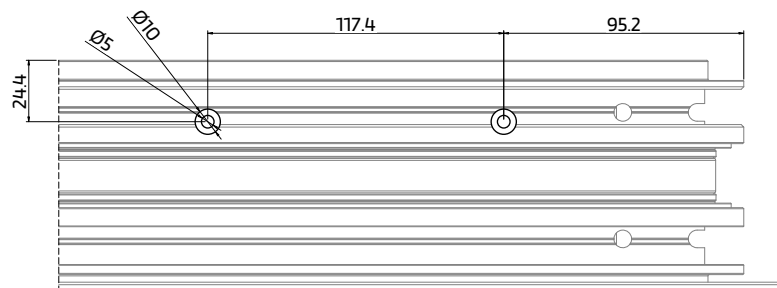
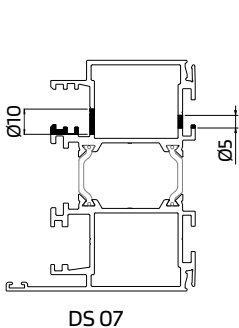
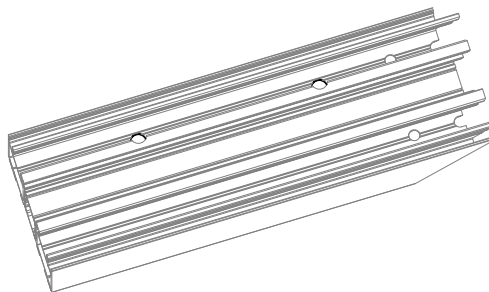
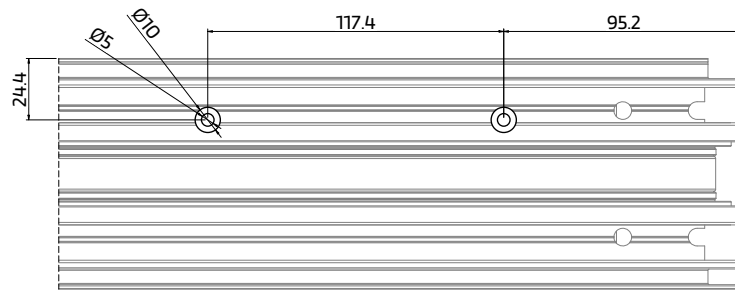
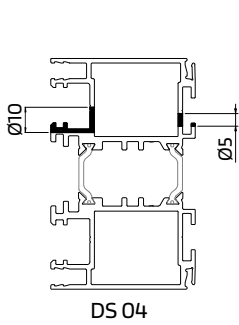
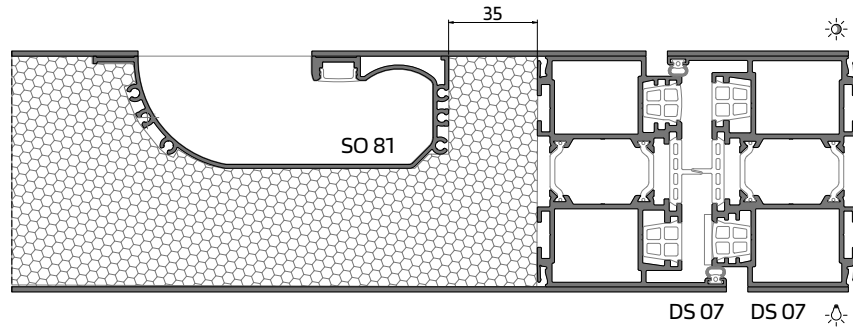
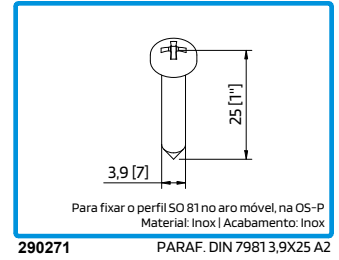


**MAQUINAÇÕES PARA FIXAÇÃO DO PERFIL SO 81**  
MACHINING FOR FIXING THE SO 81 PROFILE  
USINAGE POUR LA FIXATION DU PROFILÉ SO 81

**Aros móveis**  
Mobile frames | Cadres ouvrants



**Corte a 45°**  
45° Cut | Coupe à 45°



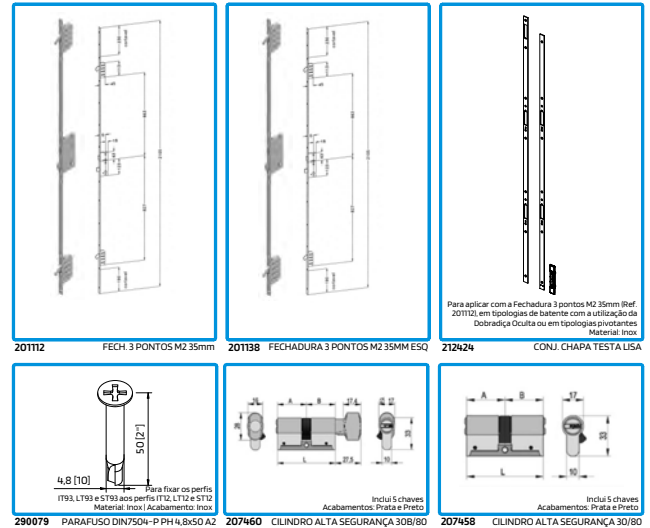
## MAQUINAÇÃO PARA A FECHADURA 3 PONTOS M2 35mm

MACHINING FOR 3 POINTS M2 35mm LOCK

USINAGE POUR SERRURE 3 POINTS M2 35mm

PORTAS DE ABERTURA PARA INTERIOR E EXTERIOR  
 PARA TIPOLOGIAS COM DOBRADIÇA OCULTA E TIPOLOGIAS PIVOTANTES  
 INWARD AND OUTWARD OPENING DOORS - WITH CONCEALED HINGE  
 FOR TYPOLOGIES WITH CONCEALED HINGE AND PIVOTING TYPOLOGIES  
 PORTES D'OUVERTURE VERS L'INTERIEUR ET L'EXTERIEUR  
 POUR LES TYPOLOGIES AVEC PAUMELLE CACHÉE ET LES TYPOLOGIES PIVOTANTES

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass typologies  
**Note:** Ce détail illustratif est valable pour les typologies de verre



### IMPORTANTE | IMPORTANT | IMPORTANT:

A maquinação para aplicação da Fechadura tem de ser feita a partir da parte inferior do aro fixo:

The Lock must be machined from the bottom of the fixed frame and the mobile sash:

La Serrure doit être usinée à partir du bas du dormant et de l'ouvrant:

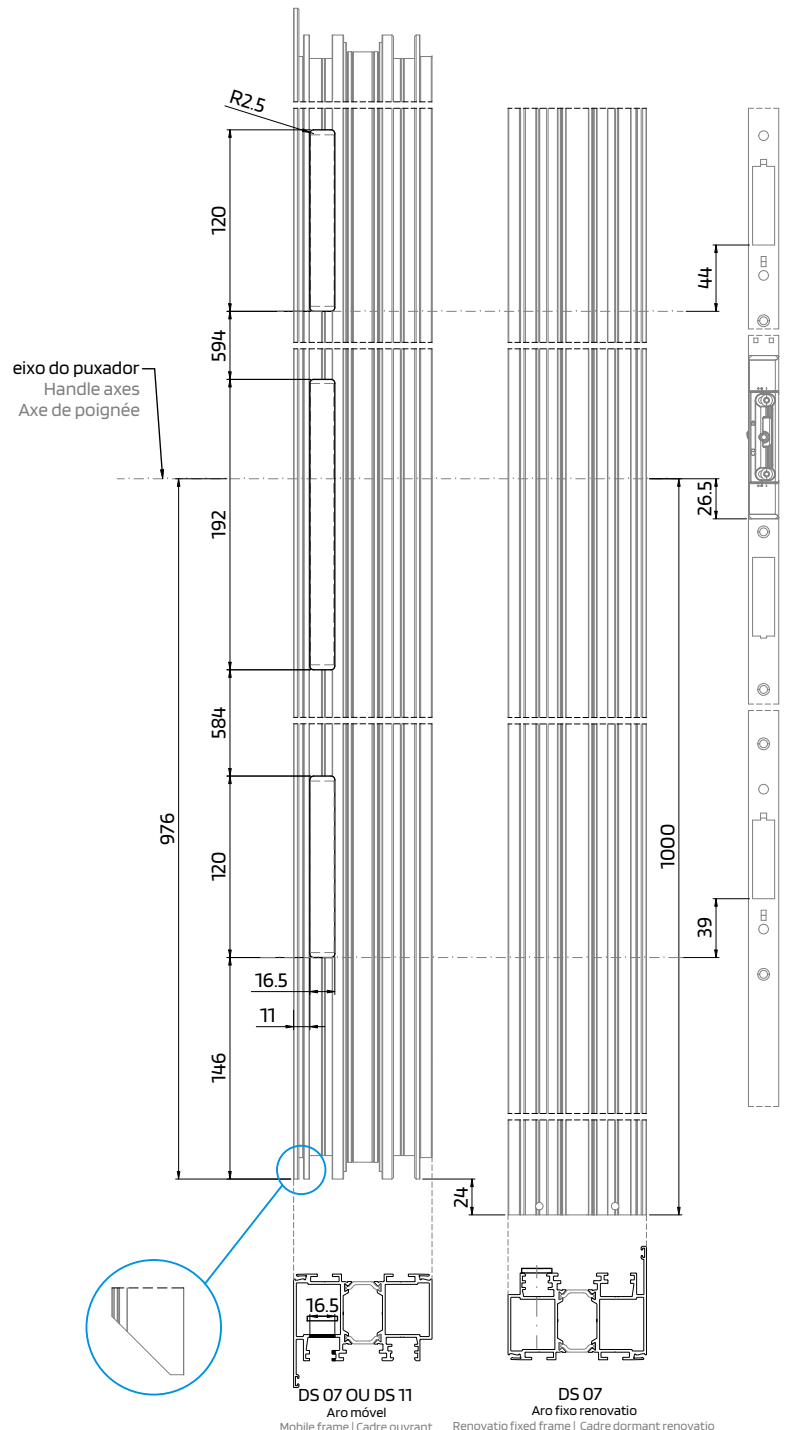
- As medidas estão calculadas para aplicação do cremone a 1000mm de altura  
 The measurements are calculated for the handle application at a height of 1000mm  
 Les mesures sont calculées pour une application de la crémonne à une hauteur de 1000mm
- Para 2000mm de altura ou superior, a Fechadura de 3 pontos tem de ser cortada 143mm em baixo e 195mm em cima;  
 For 2000mm high or higher, the 3-point lock must be cut 143mm at the bottom and 195mm at the top;  
 Pour 2000 mm de haut ou plus, la serrure à 3 points doit être coupée à 143mm en bas et à 195mm en haut;
- Para 2100mm de altura, a Fechadura de 3 pontos tem de ser cortada 143mm em baixo 95mm e em cima;  
 For 2100 mm high, the 3-point lock must be cut 143mm at the bottom 95mm at the top;  
 Pour 2100 mm de haut, la serrure à 3 points doit être coupée à 143mm en bas et à 95mm en haut;
- Para 2200mm de altura, a Fechadura de 3 pontos tem de ser cortada apenas 143mm em baixo.  
 For 2200 mm high, the 3-point lock must be cut only 143mm at the bottom  
 Pour 2200 mm de haut, la serrure à 3 points doit être coupée à 143mm en bas

### Corte do Conjunto chapa testa lisa (Ref. 212424):

Cut of the Stricking plate kit:

Découpe du kit de Gâche:

- Para 2000 mm de altura ou superior, o Conjunto de chapa testa lisa tem de ser cortado 102mm em baixo e 157mm em cima;  
 For 2000mm high or higher, the Stricking plate kit must be cut 102mm at the bottom and 157mm at the top;  
 Pour 2000 mm de haut ou plus, le Kit de gâche doit être coupée à 102mm en bas et à 157mm en haut;
- Para 2100 mm de altura, a fechadura de 3 pontos tem de ser cortada 102mm em baixo 57mm e em cima;  
 For 2100 mm high, the Stricking plate kit must be cut 102mm at the bottom 57mm at the top;  
 Pour 2100 mm de haut, le Kit de gâche doit être coupée à 102mm en bas et à 57mm en haut;
- Para 2200 mm de altura, a fechadura de 3 pontos tem de ser cortada só 102mm em baixo.  
 For 2200 mm high, the Stricking plate kit must be cut only 102mm at the bottom.  
 Pour 2200 mm de haut, le Kit de gâche doit être coupée à 102mm en bas.



## MAQUINAÇÃO PARA A FECHADURA 3 PONTOS M2 35mm

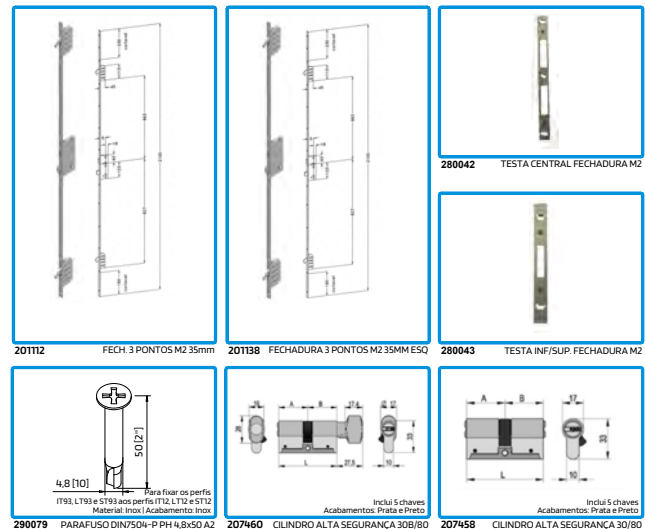
MACHINING FOR 3 POINTS M2 35mm LOCK  
USINAGE POUR SERRURE 3 POINTS M2 35mm

PORTA DE ABERTURA PARA INTERIOR E EXTERIOR  
COM DOBRADIÇA DS 2D E DOBRADIÇA MECHANICA  
INWARD AND OUTWARD OPENING DOOR  
WITH DOOR HING DS 2L AND MECHANICA HINGES  
PORTE D'OUVERTURE VERS L'INTÉRIEUR ET L'EXTÉRIEUR  
AVEC PAUMELLE PORTE DS 2L ET PAUMELLE MECHANICA

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.

**Note:** This illustrative detail is valid for glass types

**Note:** Ce détail illustratif est valable pour les types de verre



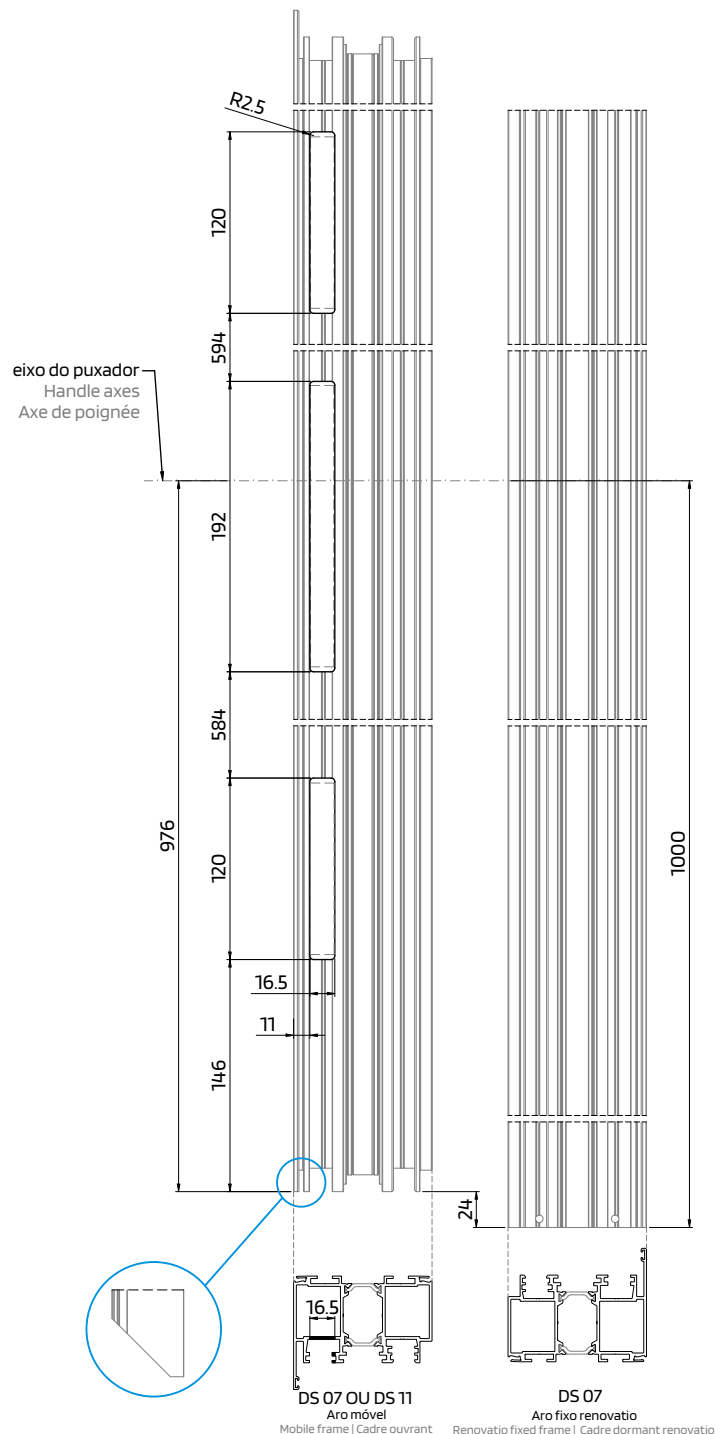
### IMPORTANTE | IMPORTANT | IMPORTANT:

A maquinação para aplicação da fechadura tem de ser feita a partir da parte inferior do aro fixo e da folha móvel:

The lock must be machined from the bottom of the fixed frame and the mobile sash:

La serrure doit être usinée à partir du bas du dormant et de l'ouvrant:

- Para 2200 mm de altura ou superior, a fechadura de 3 pontos tem de ser cortada 145mm em baixo;  
For 2200 mm high or higher, the 3-point lock must be cut 145mm at the bottom;  
Pour 2200 mm de haut ou plus, la serrure à 3 points doit être coupée à 145 mm en bas;
- Para 2100 mm de altura, a fechadura de 3 pontos tem de ser cortada 95mm em baixo 145mm e em cima;  
For 2100 mm high, the 3-point lock must be cut 95mm at the bottom 145mm at the top;  
Pour 2100 mm de haut, la serrure à 3 points doit être coupée à 95 mm en bas et à 145 mm en haut;
- Para 2000 mm de altura, a fechadura de 3 pontos tem de ser cortada 195mm em baixo 145mm e em cima  
For 2000 mm high, the 3-point lock must be cut 195mm at the bottom 145mm at the top  
Pour 2000 mm de haut, la serrure à 3 points doit être coupée à 195 mm en bas et à 145 mm en haut.

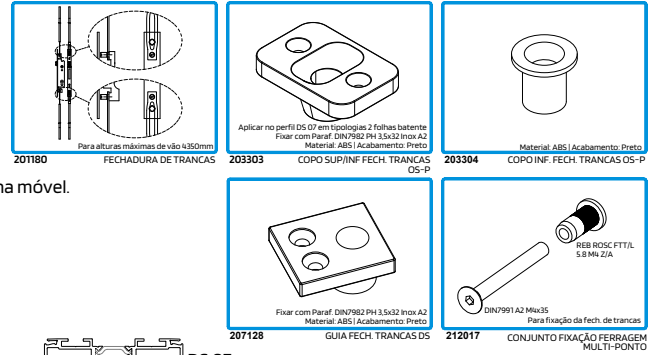


**MAQUINAÇÃO PARA A FECHADURA DE TRANCAS**  
MACHINING FOR BAR LOCK  
USINAGE POUR SERRURE AVEC BARRES

**IMPORTANTE | IMPORTANT | IMPORTANT:**

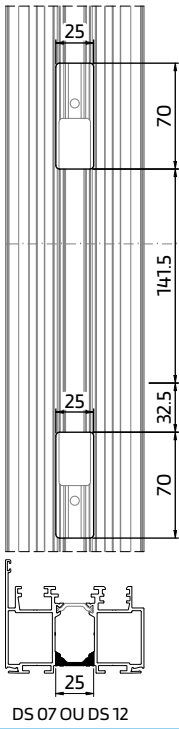
A maquinação para aplicação da fechadura tem de ser feita a partir da parte inferior da folha móvel.  
The lock must be machined from the bottom of the mobile sash.  
La serrure doit être usinée à partir du bas de l'ouvrant.

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre

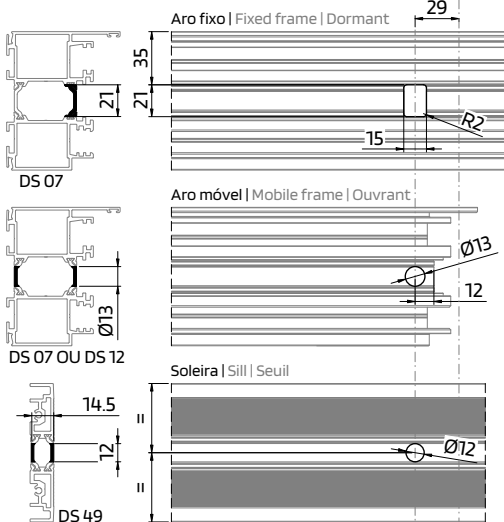


Folha passiva  
Passive sash | Vantail passivé

**Maquinação suplementar para aperto das trancas**  
Additional machining for Tightening the bars  
Usinage supplémentaire pour le serrage des barres



Centro do vão  
Centre of the span  
Centre de la portée



**IMPORTANTE | IMPORTANT | IMPORTANT:**  
Necessário remover o rolete na fechadura da folha passiva  
Need to remove the roller in the passive leaf lock  
Il faut retirer le galet de la serrure à vantail passif

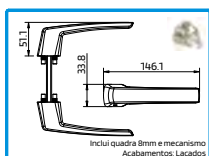


**MAQUINAÇÕES PARA PUXADORES DE PORTA CUBIC**  
CUBIC DOOR HANDLE MACHINING  
USINAGES POUR POIGNÉE DE PORTE CUBIC

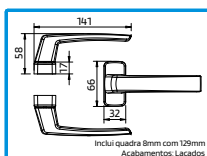
FECHADURA 3 PONTOS M2 35mm | 3 POINTS M2 35mm LOCK | SERRURE 3 POINTS M2 35mm

Para aplicar com | To apply with the | Pour appliquer avec:

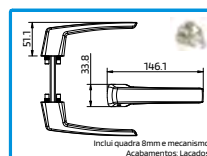
FECHADURA 3 PONTOS M2 35mm | 3 POINTS M2 35mm LOCK | SERRURE 3 POINTS M2 35mm  
FECHADURA 3 PONTOS 7799X35 | 3 POINTS 7799X35 LOCK | SERRURE 3 POINTS 7799X35



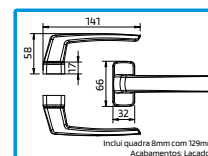
200849 PUXADOR DE PORTA MINIMALISTA CUBIC



200792 PUXADOR DE PORTA DUPLO CUBIC



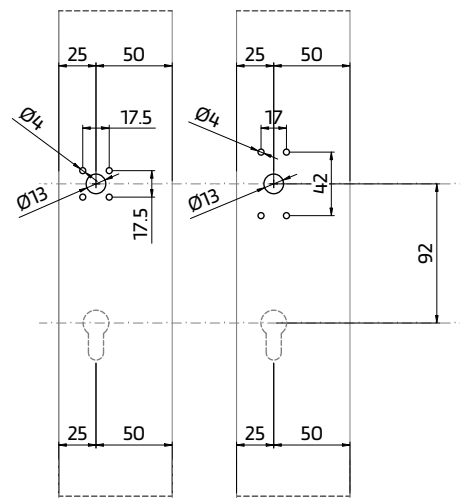
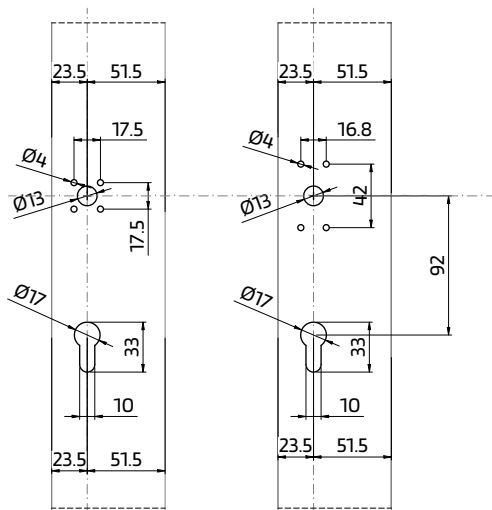
200849 PUXADOR DE PORTA MINIMALISTA CUBIC



200792 PUXADOR DE PORTA DUPLO CUBIC

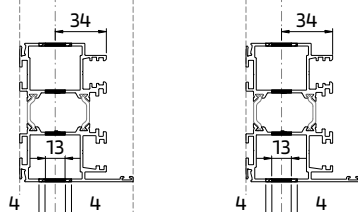
Para aplicar com | To apply with the | Pour appliquer avec:

FECHADURA DE TRANCAS | BAR LOCK | SERRURE AVEC BARRES



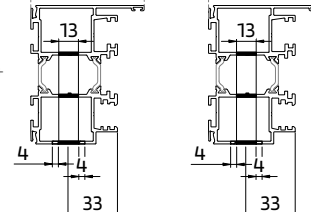
Furações para Puxadores  
Handles drillings  
Trous des poignées

DS 07 OU DS 11



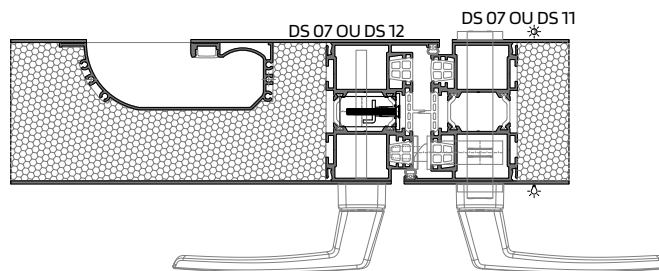
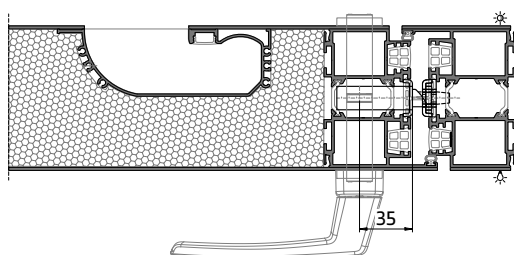
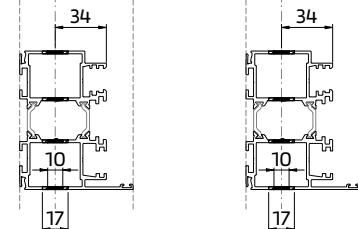
Furações para Puxadores + Quadra  
Handles drillings + Square rod  
Trous des poignées + Tige carré

DS 07 OU DS 12



Furações para Cilindro  
Cylinder holes  
Trous pour cylindres

DS 07 OU DS 11



# VI

## MONTAGENS ASSEMBLIES ASSEMBLAGES

Perfis  
Profiles  
Profilés

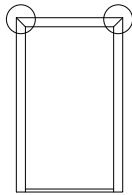
VI.1

Ferragens e acessórios  
Hardware and accessories  
Ferrures et accessoires

VI.2

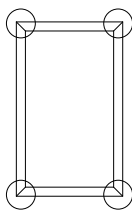
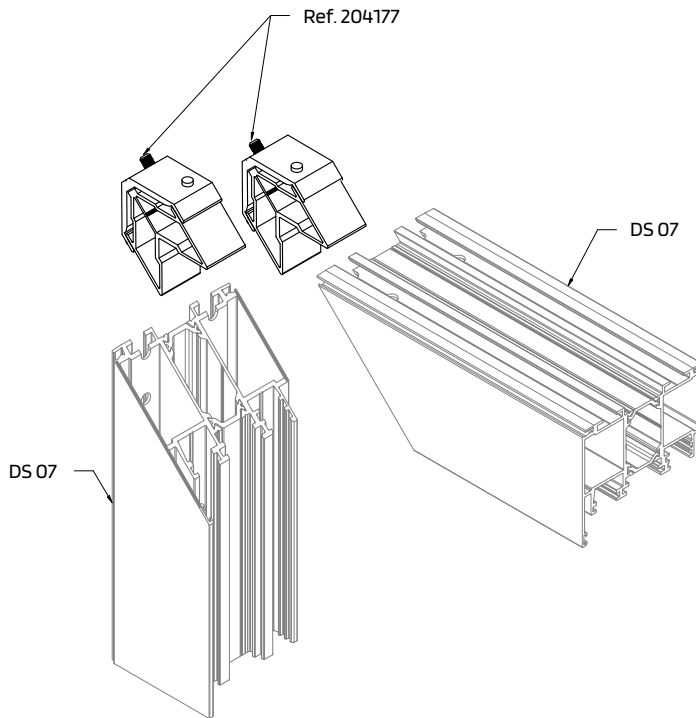
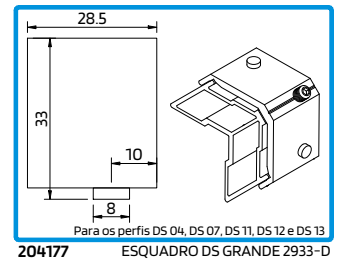
**MONTAGEM DE PERFIS - APLICAÇÃO DE ESQUADROS EM AROS FIXOS**  
PROFILES ASSEMBLY - CORNER CLEATS APPLICATION IN FIXED FRAMES  
ASSEMBLAGE DES PROFILÉS - APPLICATION D'ÉQUERRRES SUR LES DORMANTS

**Aros fixos**  
Fixed frames | Cadres fixes



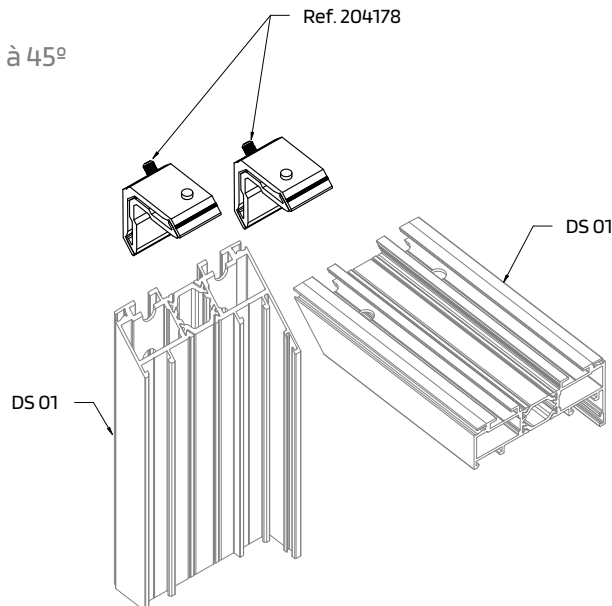
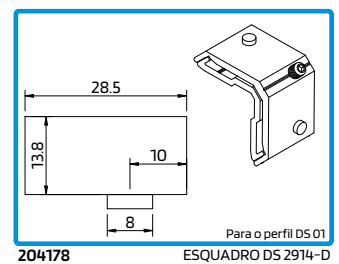
**Corte a 45°**  
45° Cut | Coupe à 45°

**SELAR AS ESQUADRIAS COM COLA E VEDA**  
SEAL THE MITER JOINTS WITH SEALANT  
SCELLER LES CHANFRAINS AVEC MASTIC



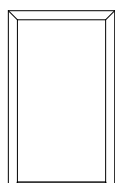
**Corte a 45°**  
45° Cut | Coupe à 45°

**SELAR AS ESQUADRIAS COM COLA E VEDA**  
SEAL THE MITER JOINTS WITH SEALANT  
SCELLER LES CHANFRAINS AVEC MASTIC

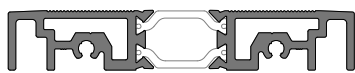


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

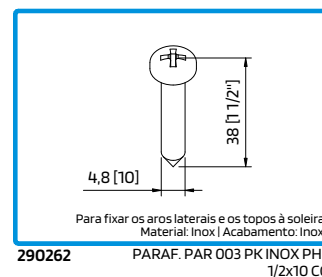
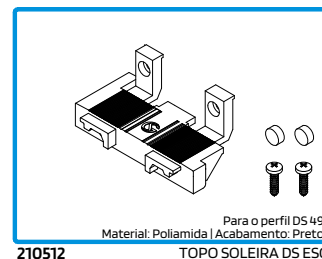
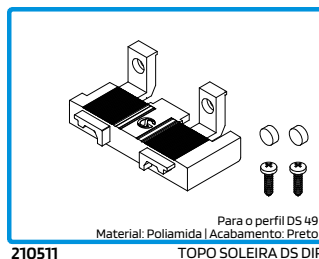
**Aros fixos**  
Fixed frames | Cadres fixes



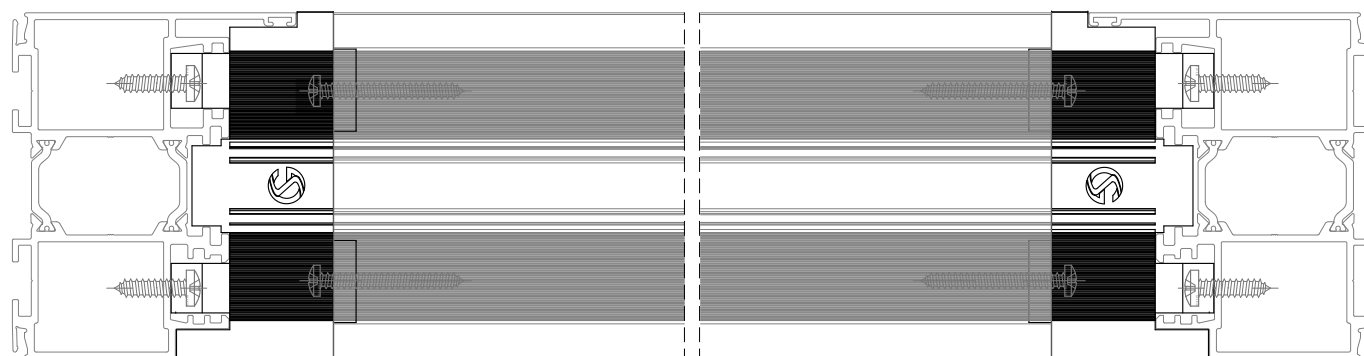
Corte a 45°  
45° Cut  
Coupe à 45°



DS 49

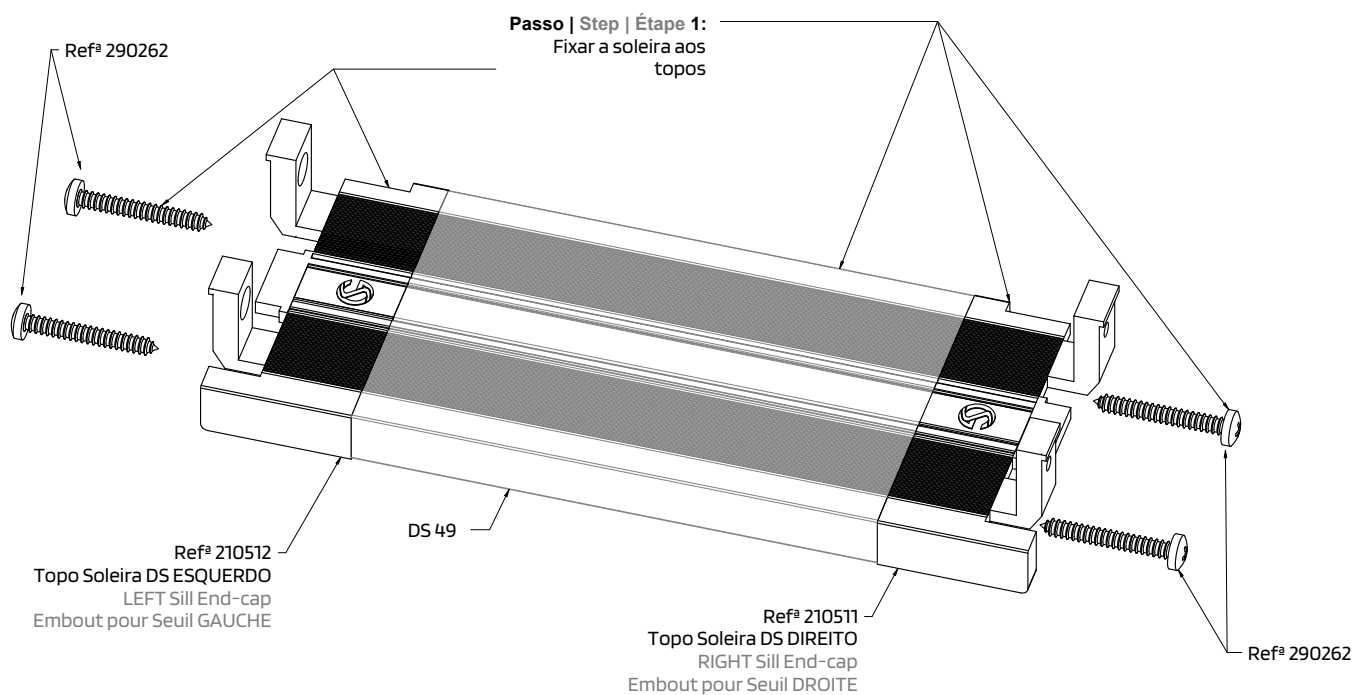


**Tipologias de batente | Side-hinged typologies | Typologies à battant**



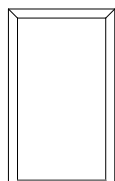
Refª 210512  
Topo Soleira DS ESQUERDO  
LEFT Sill End-cap  
Embout pour Seuil GAUCHE

Refª 210511  
Topo Soleira DS DIREITO  
RIGHT Sill End-cap  
Embout pour Seuil DROITE

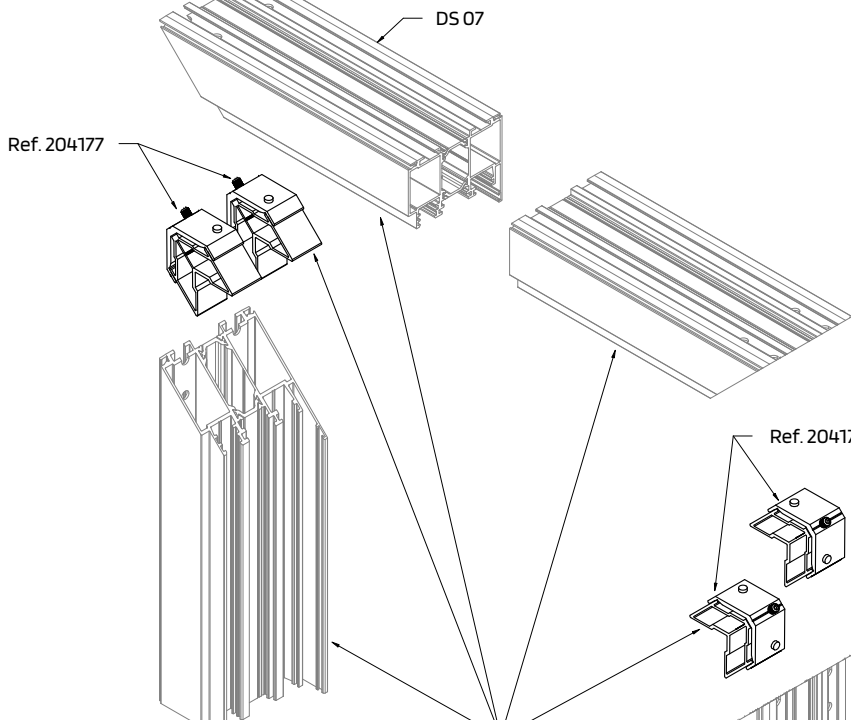


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

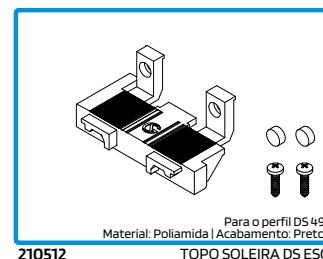
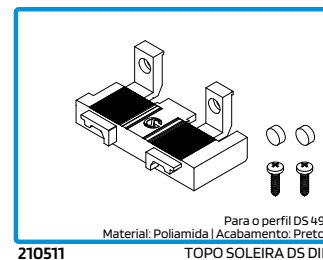
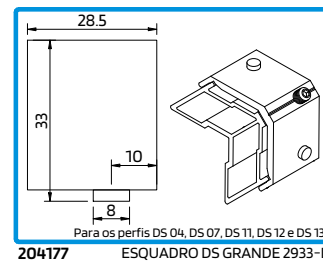
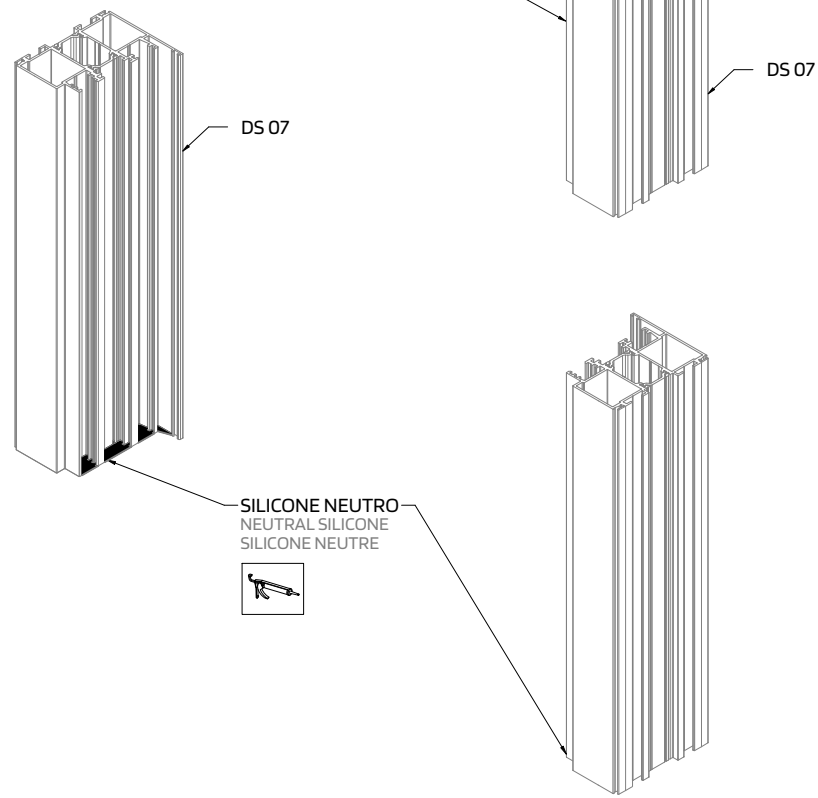
**Aros fixos**  
Fixed frames | Cadres fixes



**Corte a 45°**  
45° Cut | Coupe à 45°

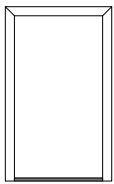


**Passo | Step | Étape 2:**  
Fixar a padieira às ombreiras com os esquadros de aperto  
Fix the lintel to the jambs with the corner cleats  
Fixer le pied de lit aux jambages à l'aide des équerres

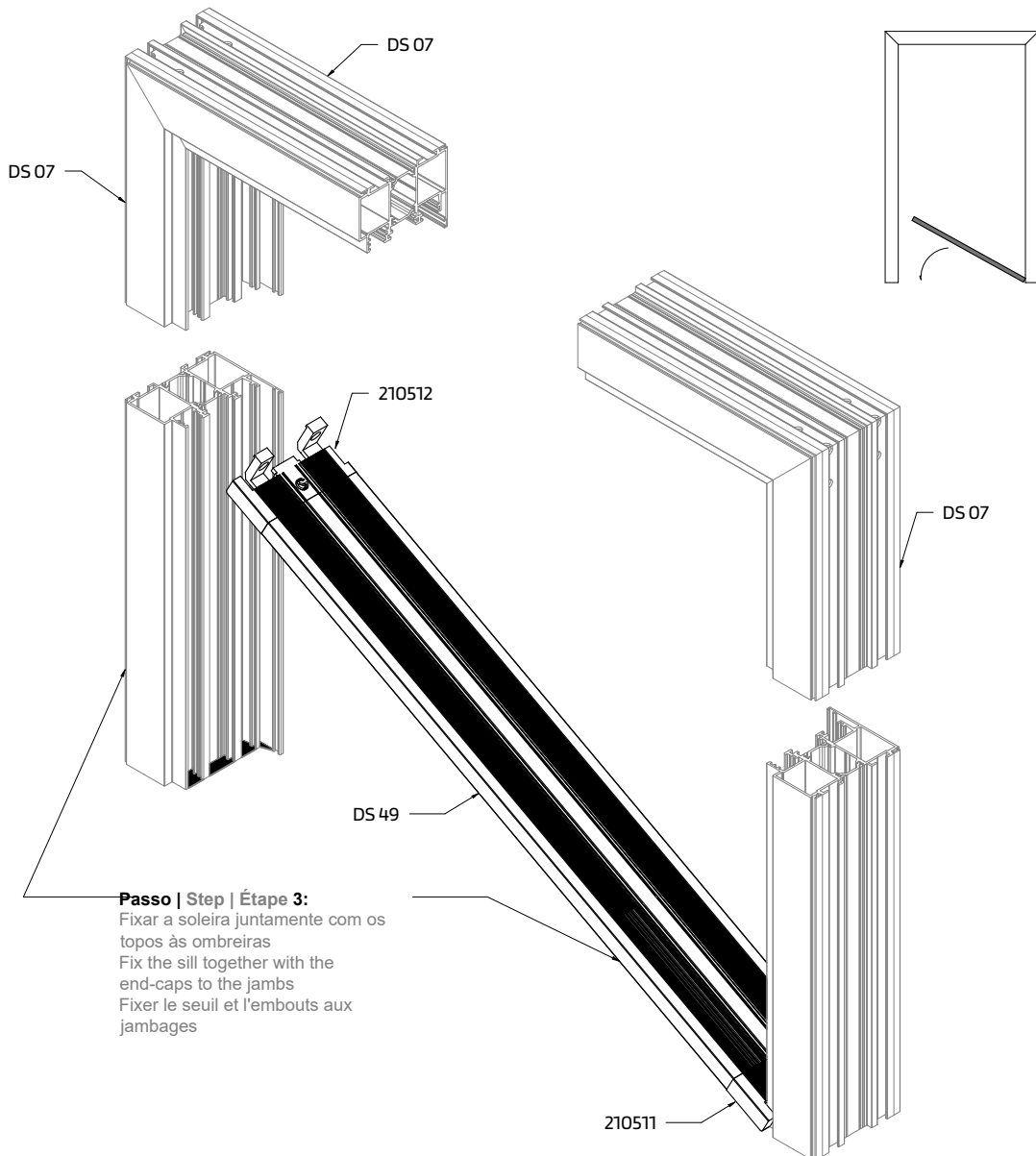
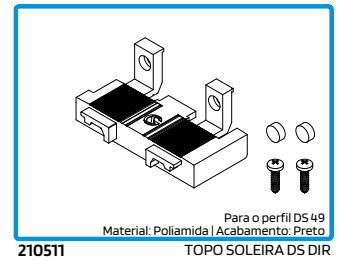
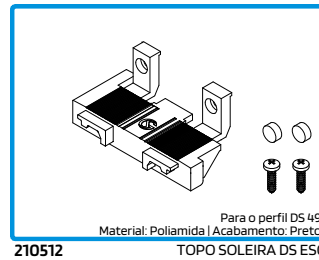


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

**Aros fixos**  
Fixed frames | Cadres fixes

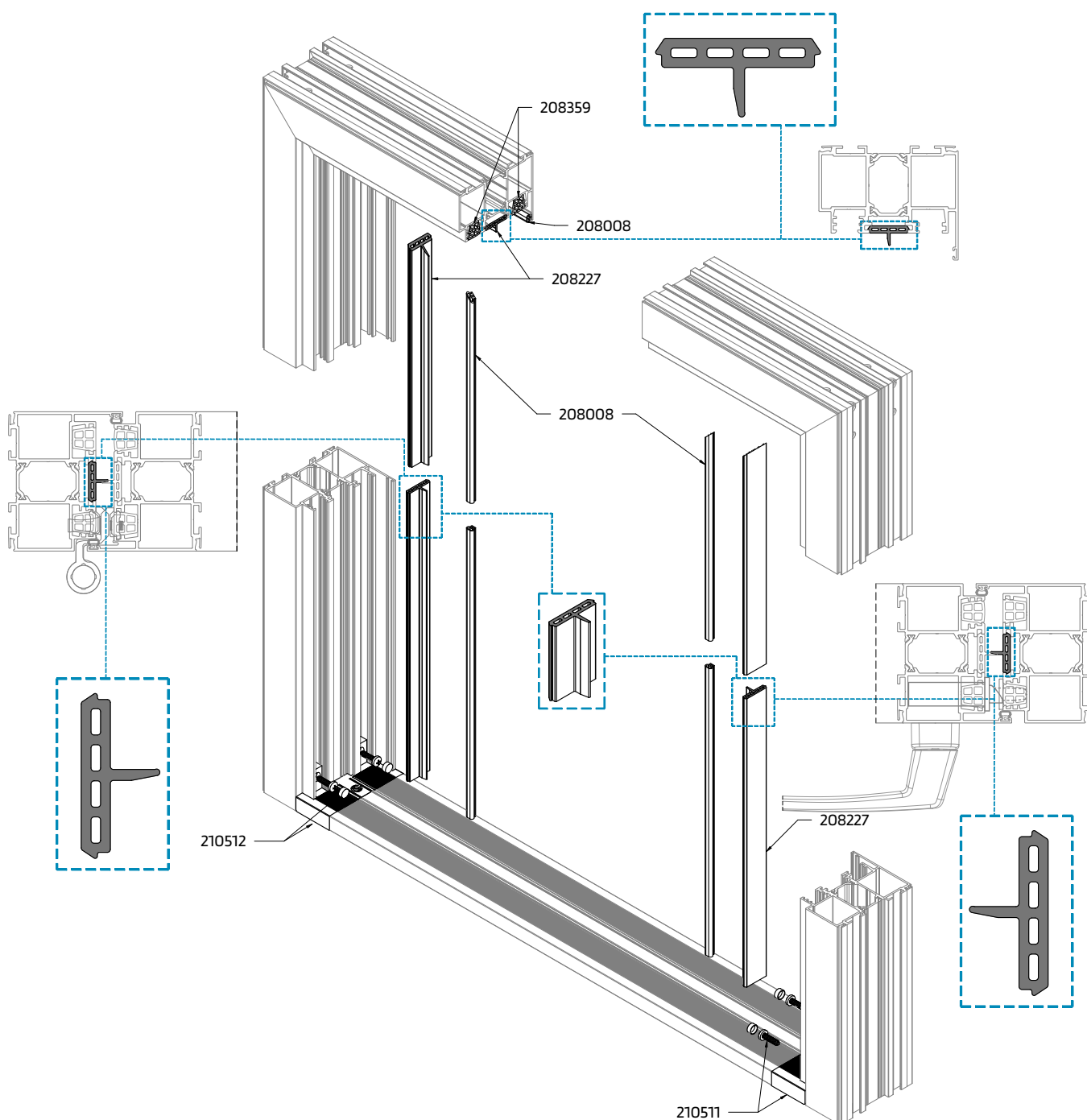
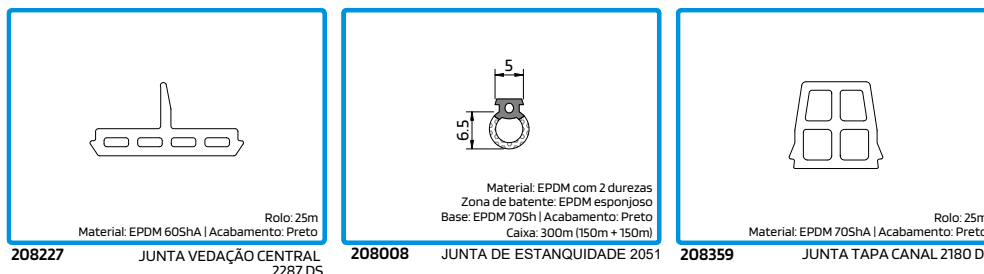


Corte a 45°  
45° Cut  
Coupe à 45°



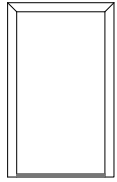
**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

Nas tipologias de batente é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta.  
 For rebated door types, it is important to fit the 2287 DS central gasket (208227) in the correct position.  
 Pour les modèles à battant, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la bonne position.

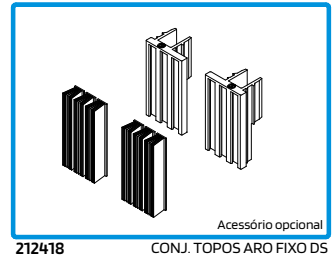


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

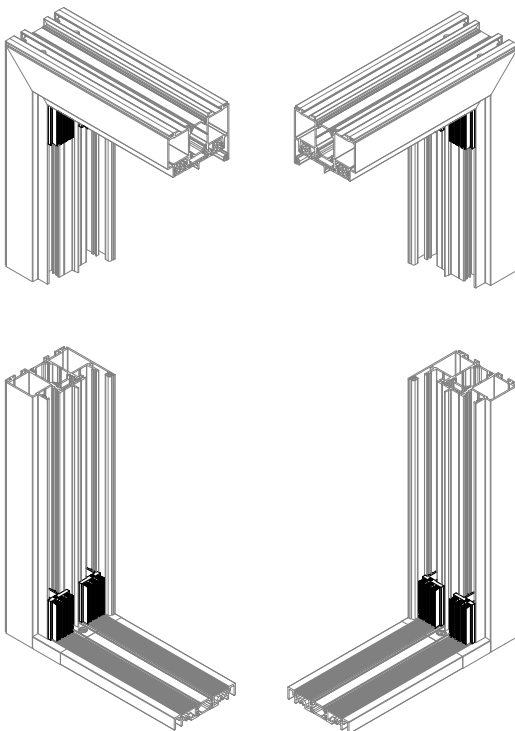
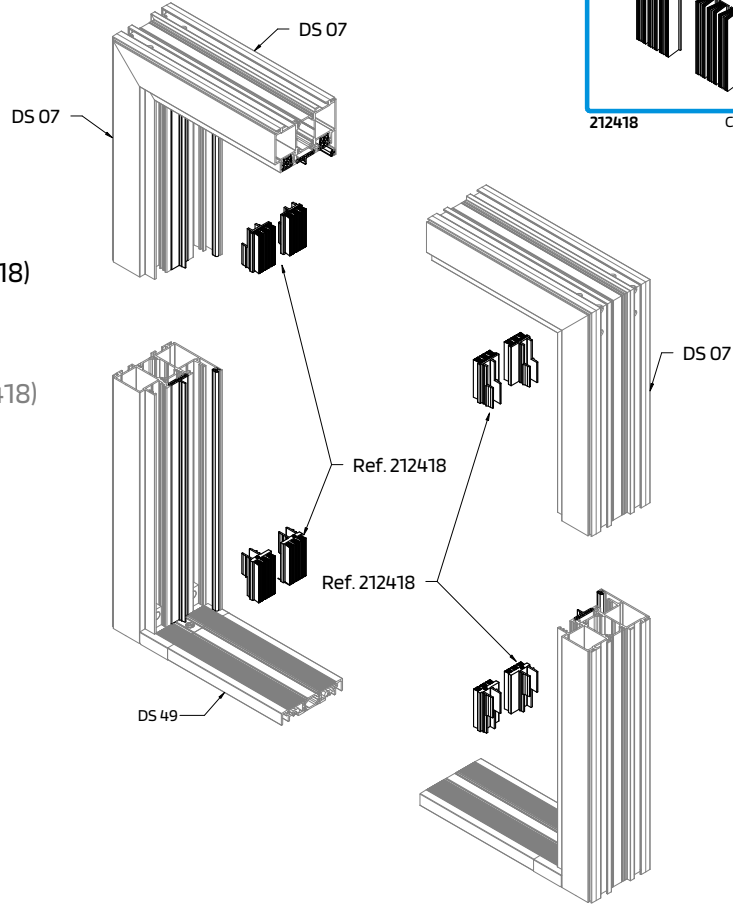
**Aros fixos**  
Fixed frames | Cadres fixes



Corte a 45°  
45° Cut  
Coupe à 45°

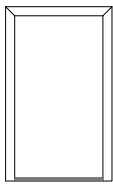


O conjunto de topos aro fixo DS (212418) é opcional.  
The DS fixed-rim top set (212418) is optional.  
Le kit d'embouts à bague fixe DS (212418) est disponible en option.

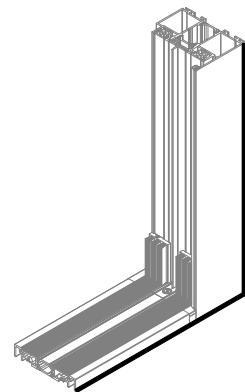
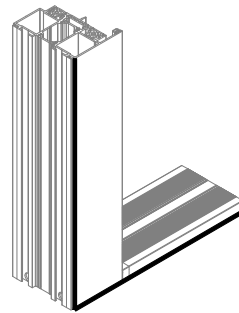
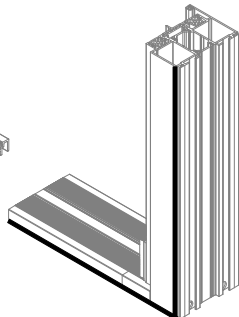
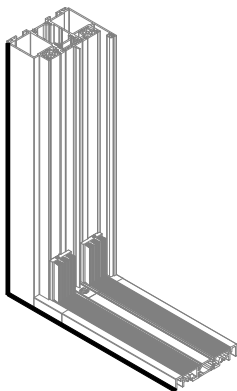
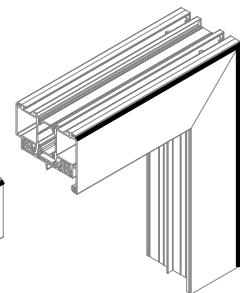
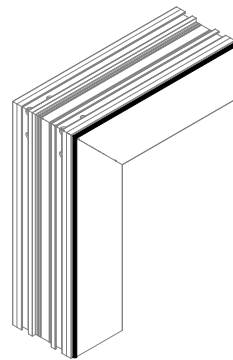
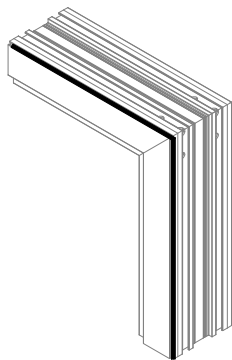
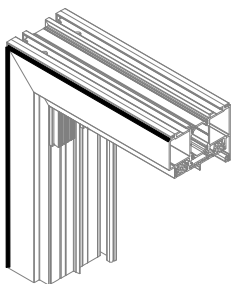
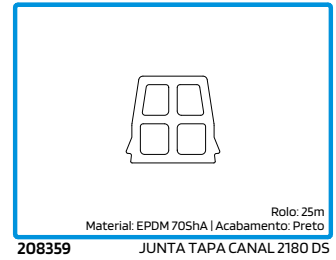
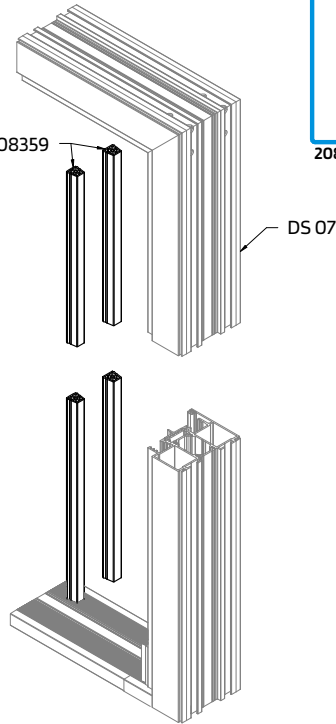
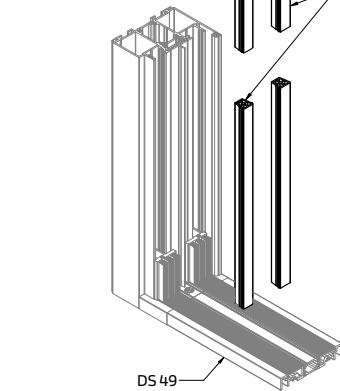
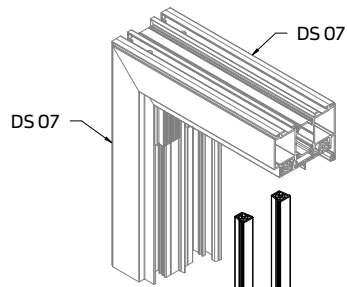


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

**Aros fixos**  
Fixed frames | Cadres fixes



**Corte a 45°**  
45° Cut  
Coupe à 45°



vista interior

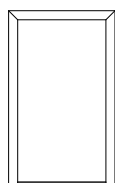
vista exterior

**IMPORTANTE | IMPORTANT | IMPORTANT:**

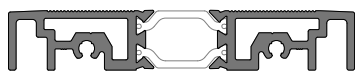
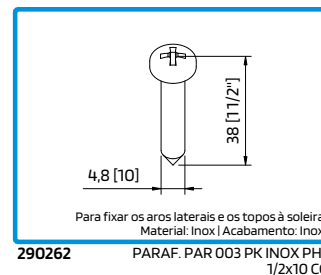
Encher as câmaras com silicone antes de fixar a soleira às ombreiras. Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.  
 Fill the chambers with silicone before fixing the sill to the jambs. Apply silicone in the colour of the profile or neutral silicone in the corner area  
 Remplir les chambres de silicone avant de fixer le seuil aux jambages. Appliquer du silicone à la couleur du profilé ou du silicone neutre dans la zone des cadres.

**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- **SIDE-HINGED TYPOLOGIES**  
ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - **TYPLOGIES À BATTANT**

**Aros fixos**  
Fixed frames | Cadres fixes



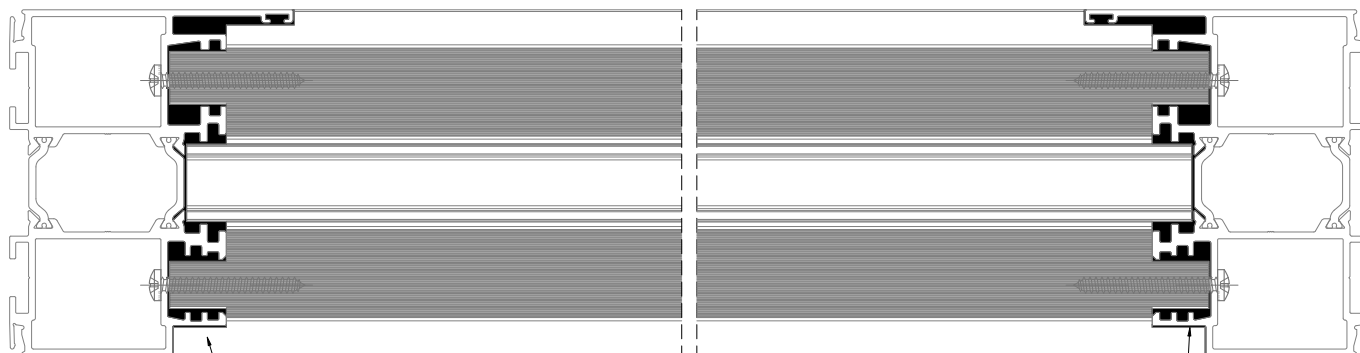
**Corte a 45°**  
45° Cut  
Coupe à 45°



DS 49

**Nota:** Estas operações só se aplicam caso queira fixar a soleira diretamente às ombreiras.  
**Note:** This operations only applies if you want to attach the sill directly to the jambs.  
**Note:** Cettes opérations s'applique uniquement si vous souhaitez fixer le seuil directement sur les montants.

**Tipologias de batente** | Side-hinged typologies | Typologies à battant



**SILICONE NEUTRO**  
NEUTRAL SILICONE  
SILICONE NEUTRE



**SILICONE NEUTRO**  
NEUTRAL SILICONE  
SILICONE NEUTRE

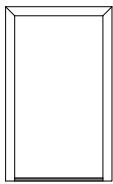


**IMPORTANTE | IMPORTANT | IMPORTANT:**  
Encher as câmaras com silicone antes de fixar a soleira às ombreiras. Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.  
Fill the chambers with silicone before fixing the sill to the jambs. Apply silicone in the colour of the profile or neutral silicone in the corner area  
Remplir les chambres de silicone avant de fixer le seuil aux jambages. Appliquer du silicone à la couleur du profilé ou du silicone neutre dans la zone des cadres.



**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME - **SIDE-HINGED TYPOLOGIES**  
ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - **TYPOLOGIES À BATTANT**

**Aros fixos**  
Fixed frames | Cadres fixes

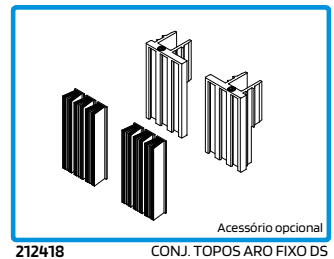
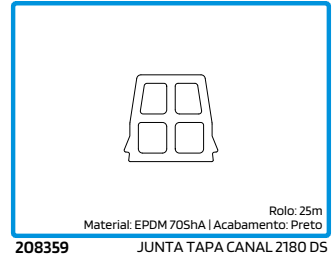
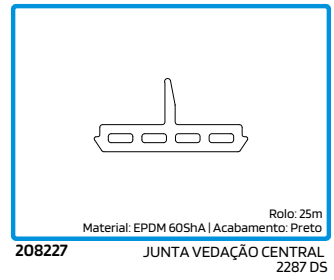
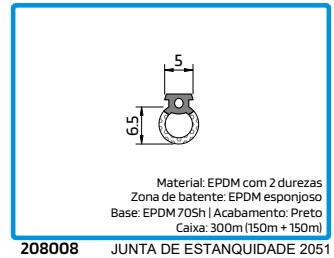
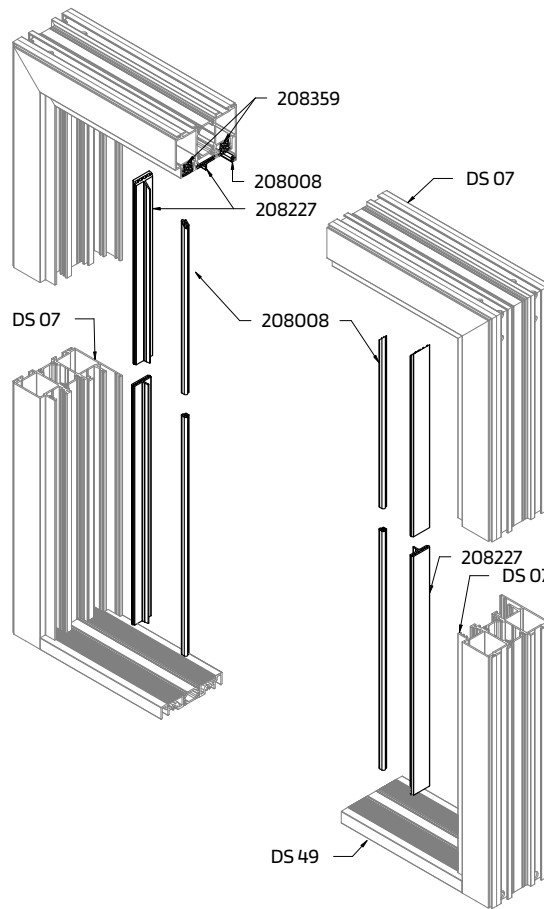


Corte a 45°  
45° Cut  
Coupe à 45°

Nas tipologias de batente é importante colocar a Junta de vedação central 2287 DS na posição correta. Consultar pormenor na pagina VI 1-4.

For rebated door types, it is important to fit the 2287 DS central gasket in the correct position. See details on page VI 1-4.

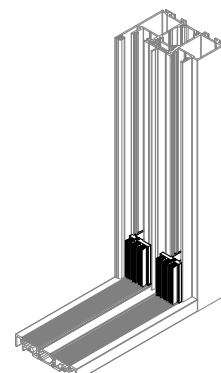
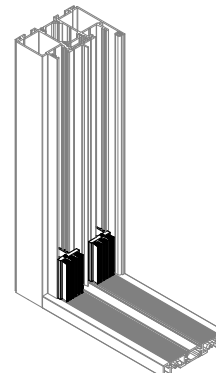
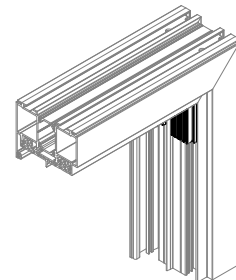
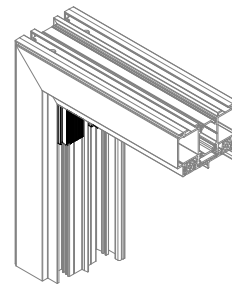
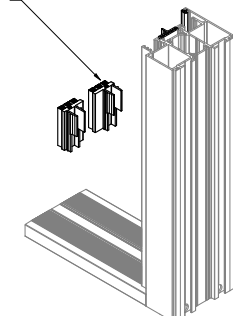
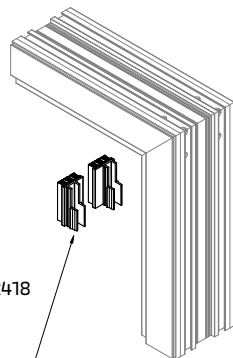
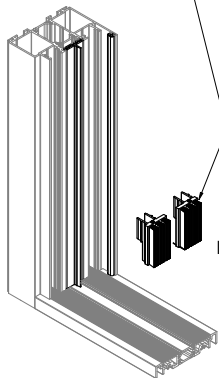
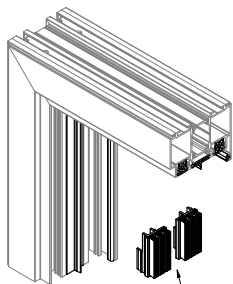
Pour les modèles à battant, il est important de placer le joint d'étanchéité central 2287 DS dans la bonne position. Pour plus de détails, voir la page VI 1-4.



O conjunto de topos aro fixo DS (212418) é opcional.

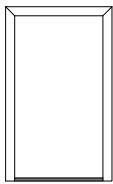
The DS fixed-rim top set (212418) is optional.

Le kit d'embouts à bague fixe DS (212418) est disponible en option.



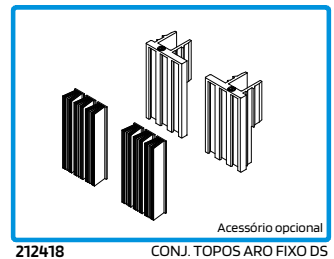
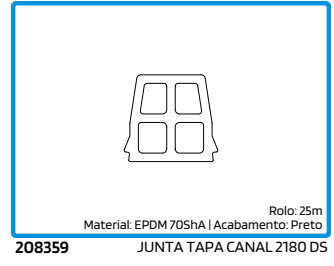
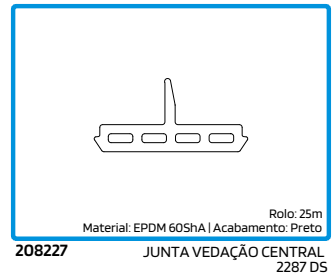
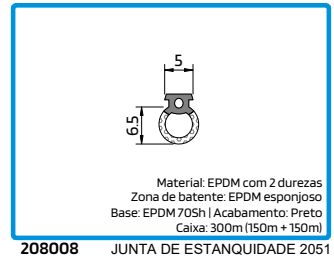
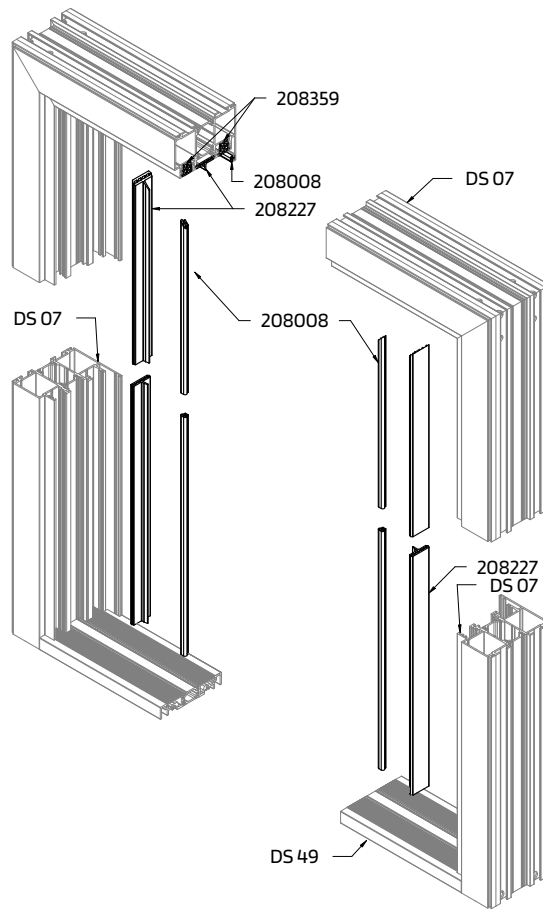
**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME - **SIDE-HINGED TYPOLOGIES**  
ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - **TYPLOGIES À BATTANT**

**Aros fixos**  
Fixed frames | Cadres fixes

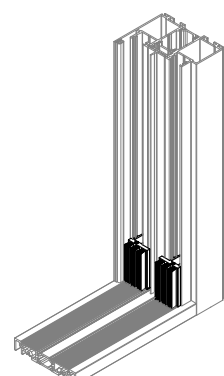
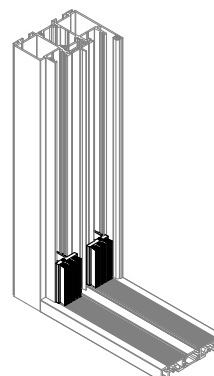
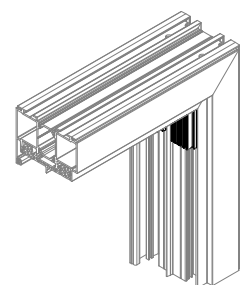
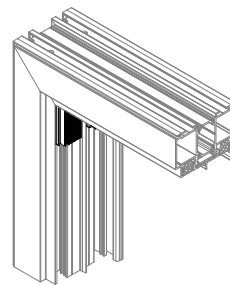
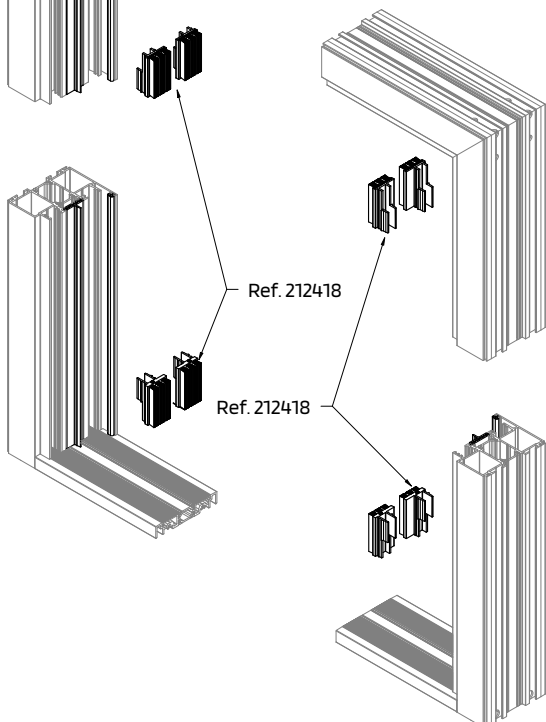
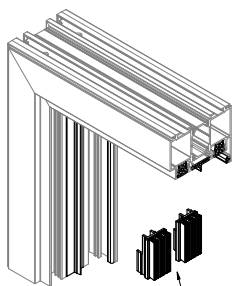


Corte a 45°  
45° Cut  
Coupe à 45°

Nas tipologias de batente é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta. Consultar pormenor na pagina 95 VI 1-5.  
For rebated door types, it is important to fit the 2287 DS central gasket (208227) in the correct position. See details on page 95 VI 1-5.  
Pour les modèles à battant, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la bonne position. Pour plus de détails, voir la page 95 VI 1-5.

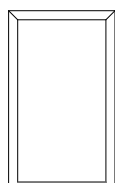


O conjunto de topos aro fixo DS (212418) é opcional.  
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Le kit d'embouts à bague fixe DS (212418) est disponible en option.

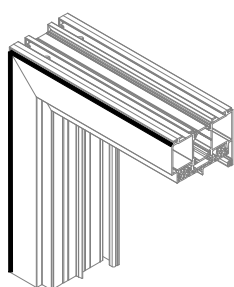
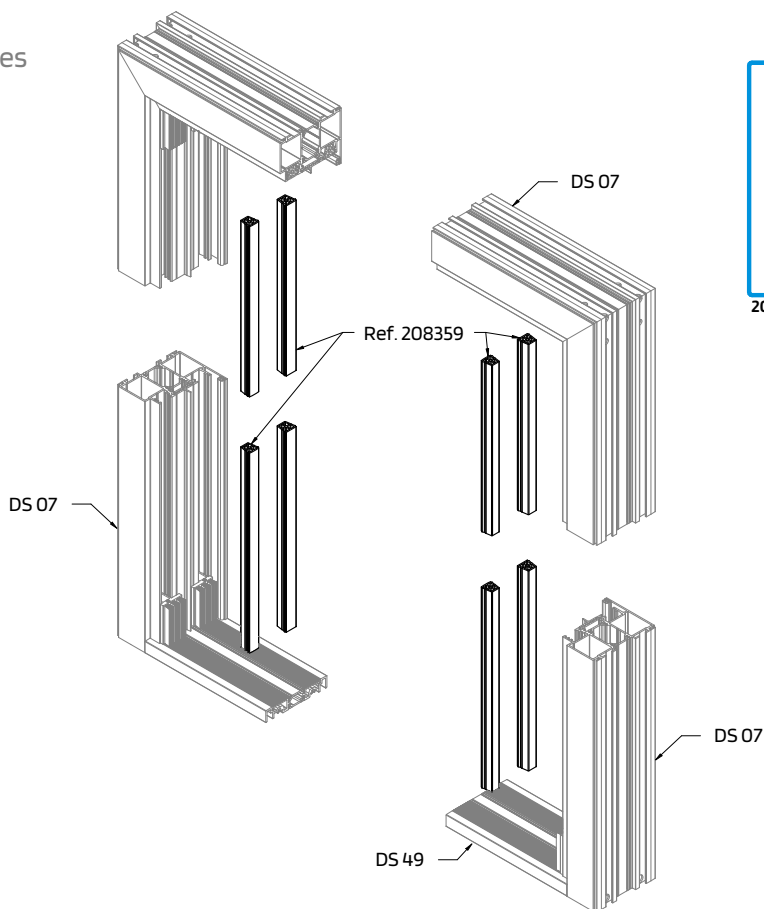


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS DE BATENTE**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME- SIDE-HINGED TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES À BATTANT**

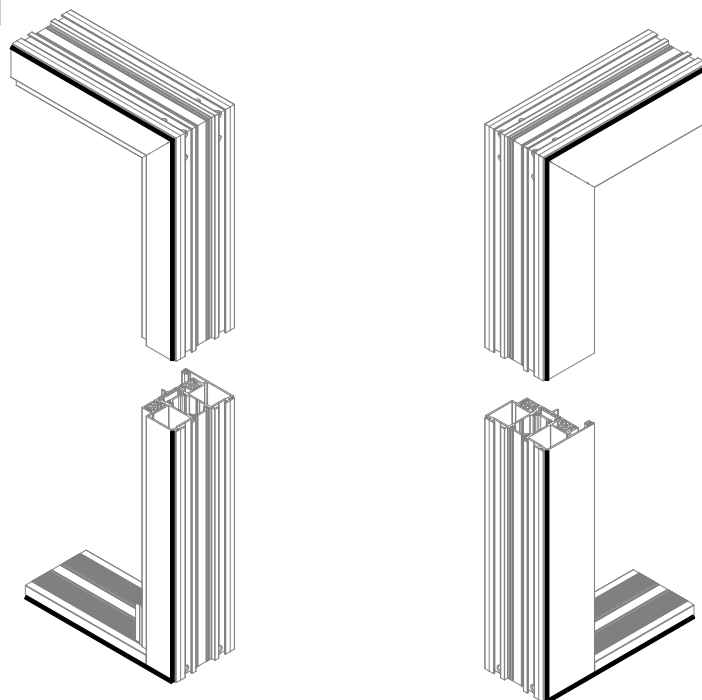
**Aros fixos**  
Fixed frames | Cadres fixes



Corte a 45°  
45° Cut  
Coupe à 45°



vista interior



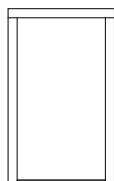
vista exterior

**IMPORTANTE | IMPORTANT | IMPORTANT:**

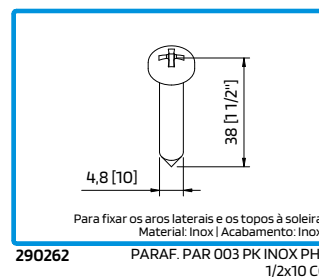
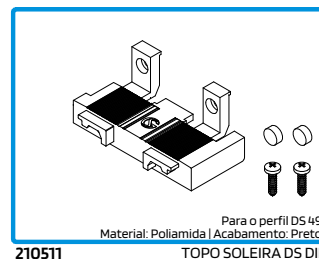
Encher as câmaras com silicone antes de fixar a soleira às ombreiras. Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.  
 Fill the chambers with silicone before fixing the sill to the jambs. Apply silicone in the colour of the profile or neutral silicone in the corner area  
 Remplir les chambres de silicone avant de fixer le seuil aux jambages. Appliquer du silicone à la couleur du profilé ou du silicone neutre dans la zone des cadres.

**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUTS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

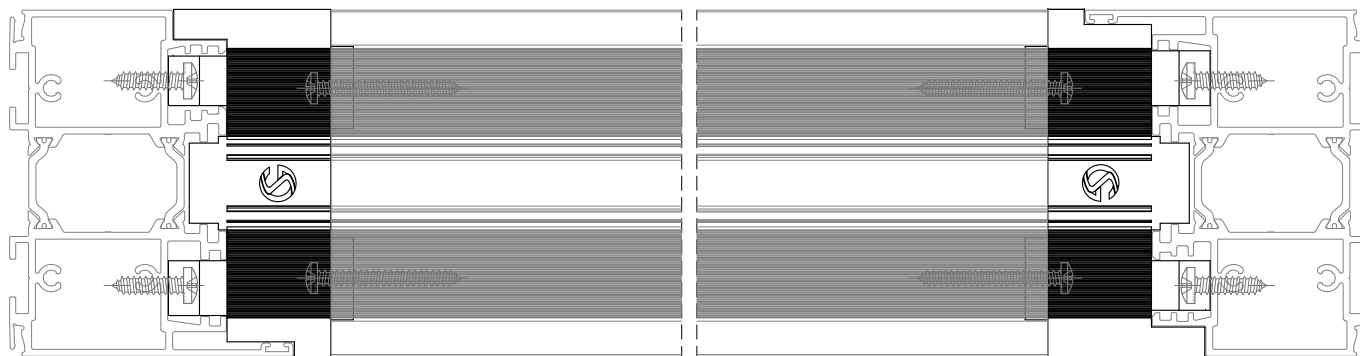
**Aros fixos**  
Fixed frames | Cadres fixes



Corte a 90°  
90° Cut  
Coupe à 90°

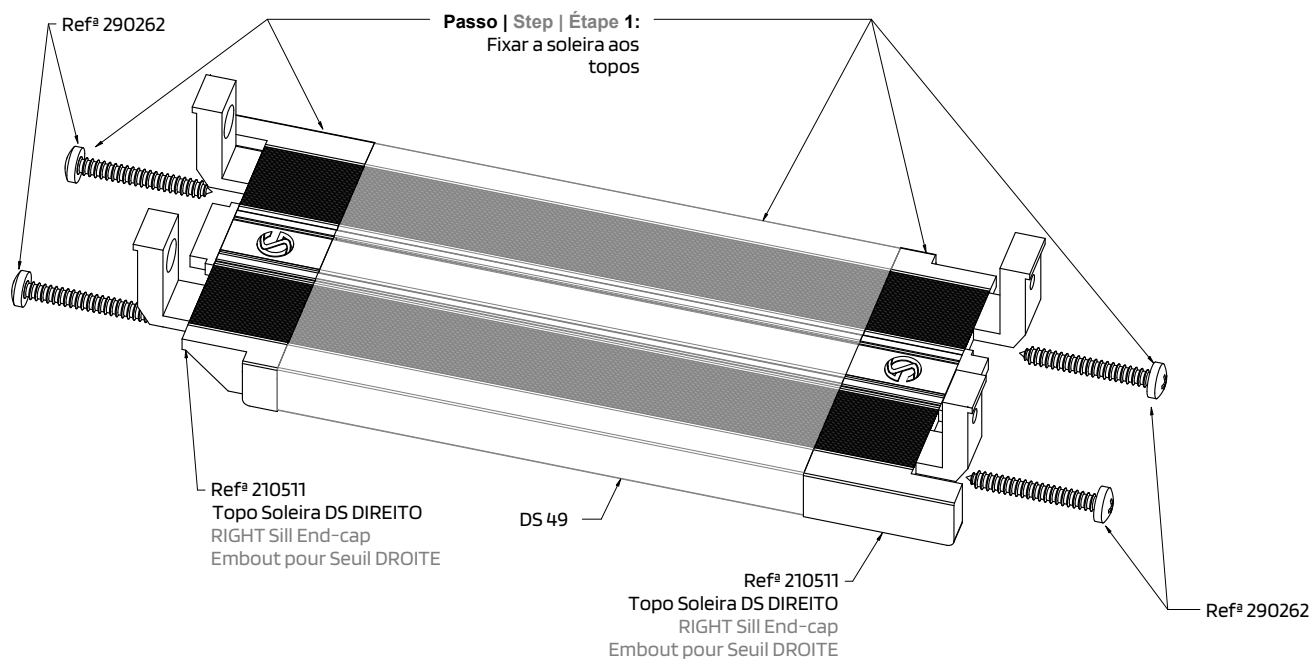


**Tipologias pivotantes | Pivoting typologies | Typologies à pivotante**



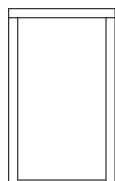
Refª 210511  
Topo Soleira DS DIREITO  
RIGHT Sill End-cap  
Embout pour Seuil DROITE

Refª 210511  
Topo Soleira DS DIREITO  
RIGHT Sill End-cap  
Embout pour Seuil DROITE



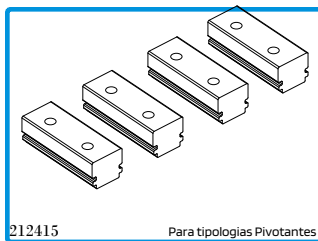
**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUTS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes

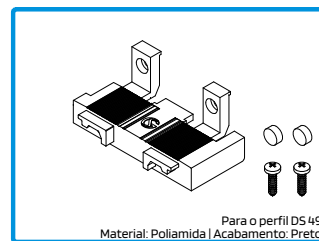


**Corte a 90°**  
90° Cut | Coupe à 90°

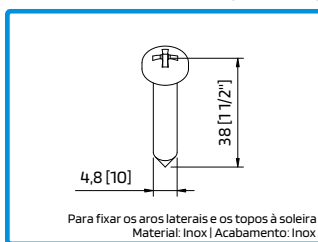
**SELAR AS ESQUADRIAS COM COLA E VEDA**  
SEAL THE MITER JOINTS WITH SEALANT  
SCELLER LES CHANFRAINS AVEC MASTIC



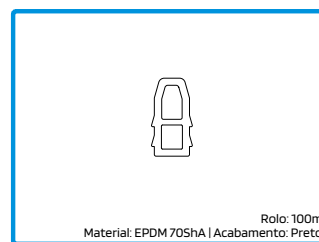
212415 Para tipologias Pivotantes  
CONJ. CALÇOS FIXAÇÃO PADIEIRA OMBREIRA DS



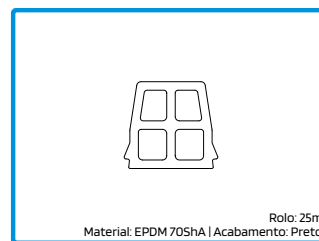
210511 Para o perfil DS 49  
Material: Poliamida | Acabamento: Preto  
TOPO SOLEIRA DS DIR



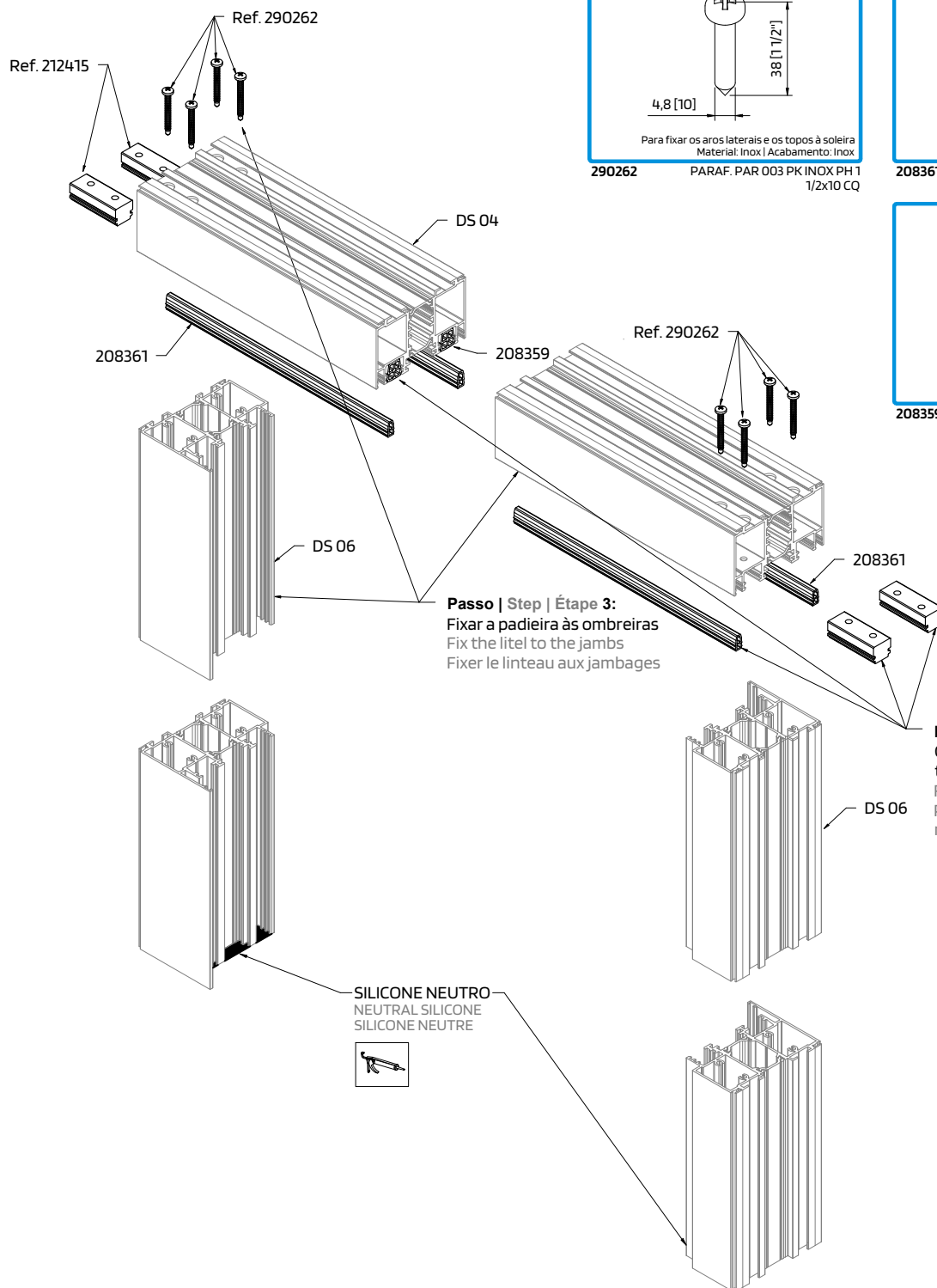
290262 Para fixar os aros laterais e os topos à soleira  
Material: Inox | Acabamento: Inox  
PARAF. PAR 003 PK INOX PH 1 1/2x10 CQ



208361 Rolo: 100m  
Material: EPDM 70ShA | Acabamento: Preto  
JUNTA TAPA CANAL 2182 DS

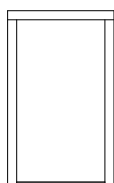


208359 Rolo: 25m  
Material: EPDM 70ShA | Acabamento: Preto  
JUNTA TAPA CANAL 2180 DS

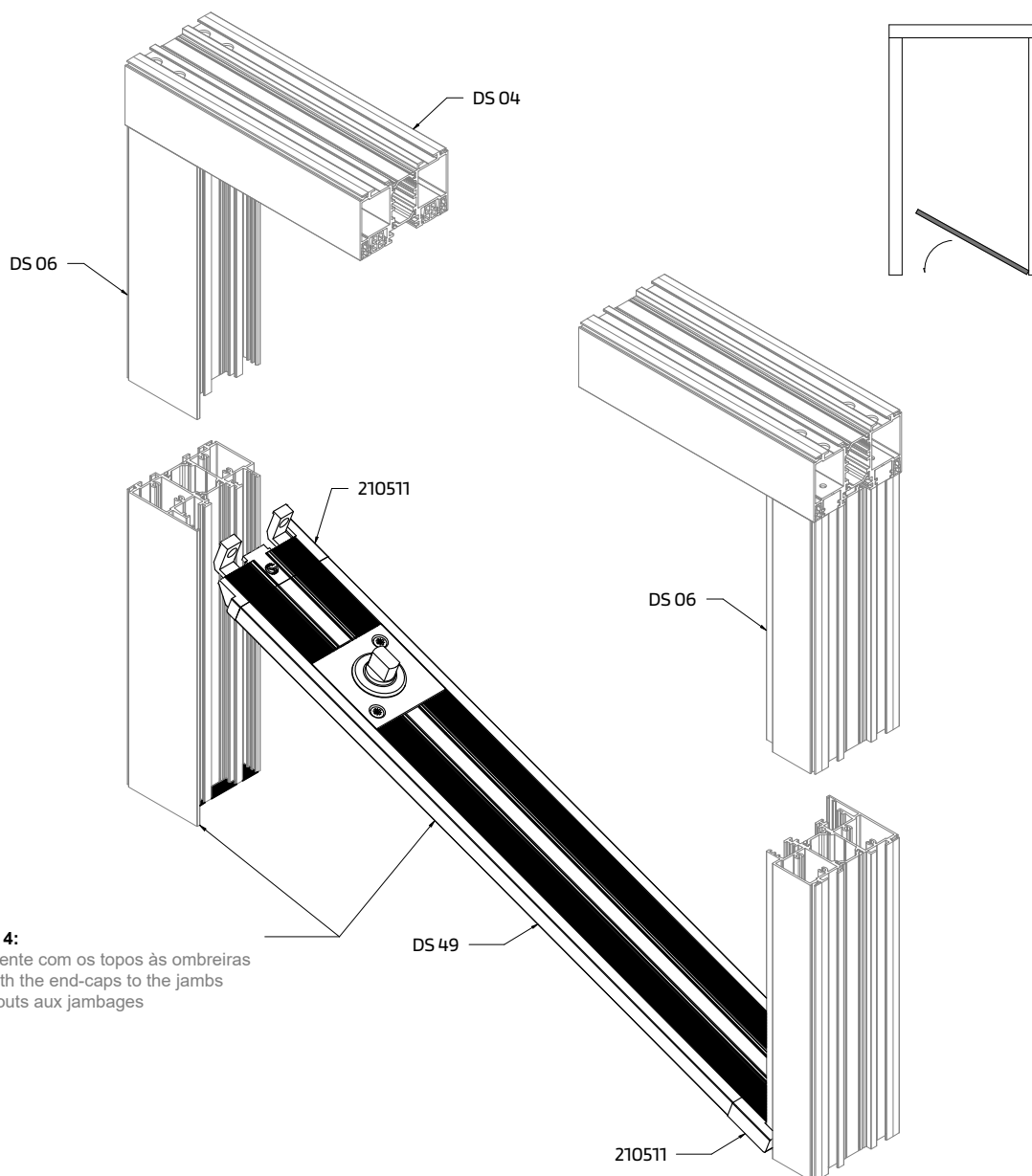
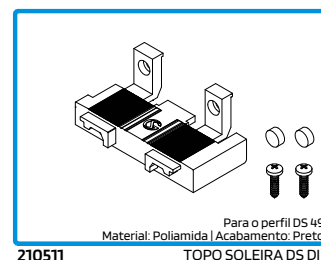


**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUTS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes



Corte a 90°  
90° Cut  
Coupe à 90°

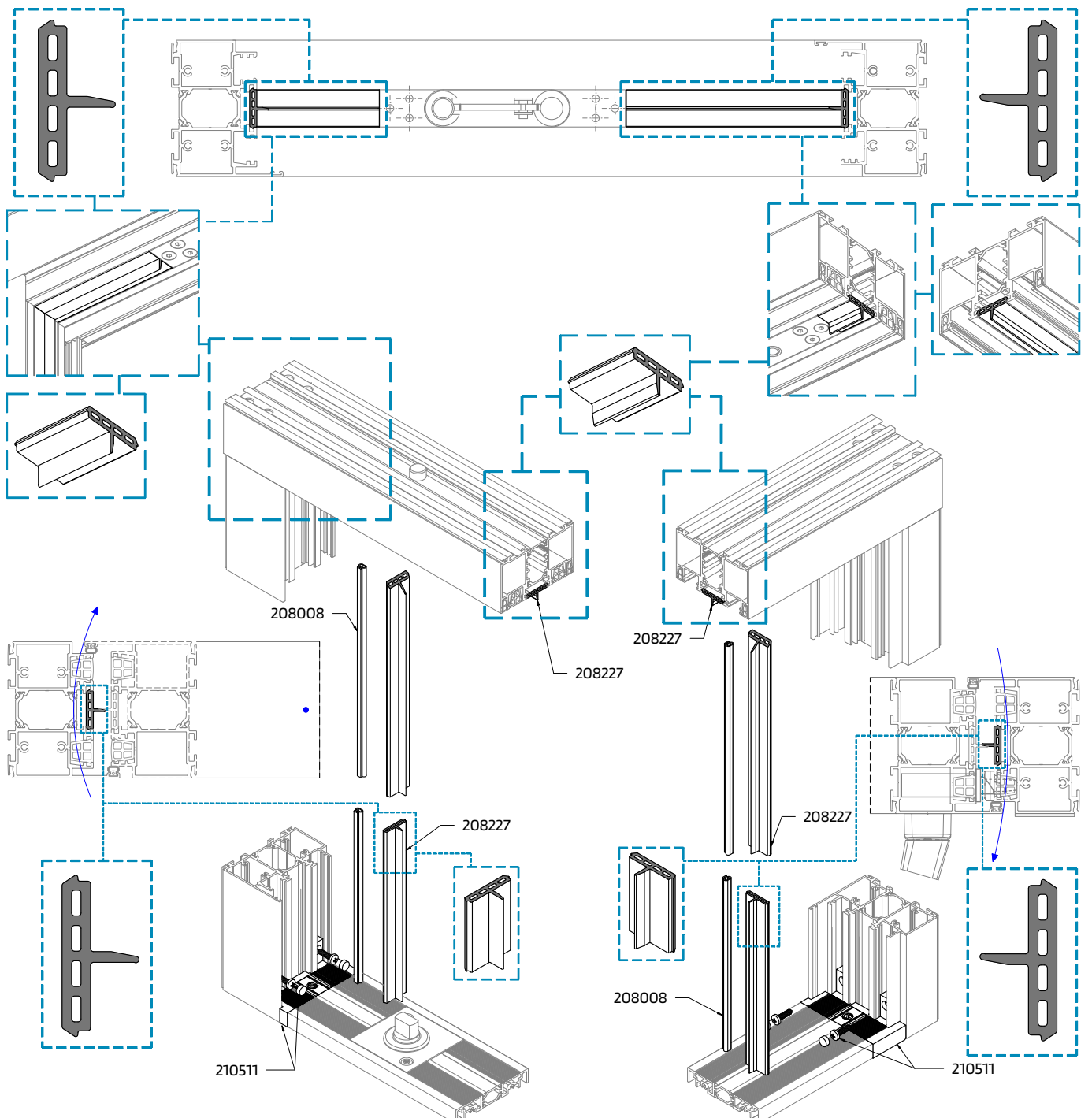
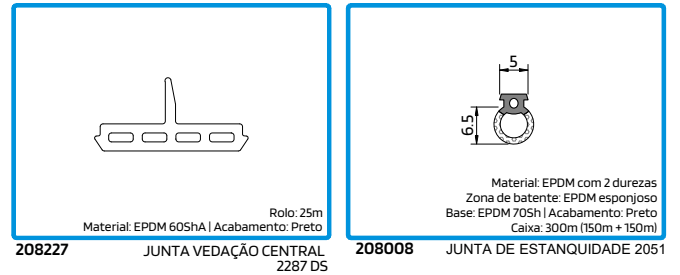


**Passo | Step | Étape 4:**  
Fixar a soleira juntamente com os topos às ombreiras  
Fix the sill together with the end-caps to the jambs  
Fixer le seuil et l'embouts aux jambages

**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUTS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

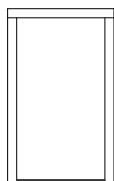
Nas tipologias pivotantes é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta.

For pivoting typologies, it is important to place the 2287 DS central seal (208227) in the correct position.  
 Sur les modèles pivotants, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la position correcte.



**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUITS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes



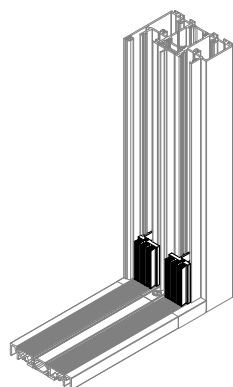
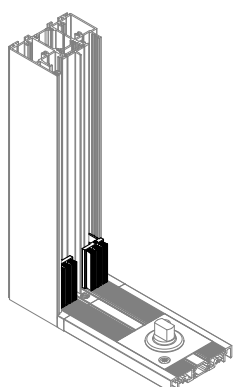
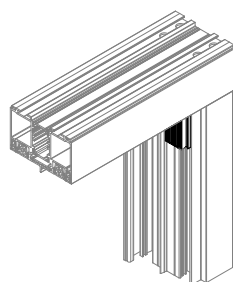
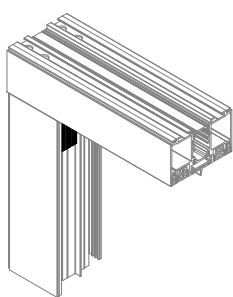
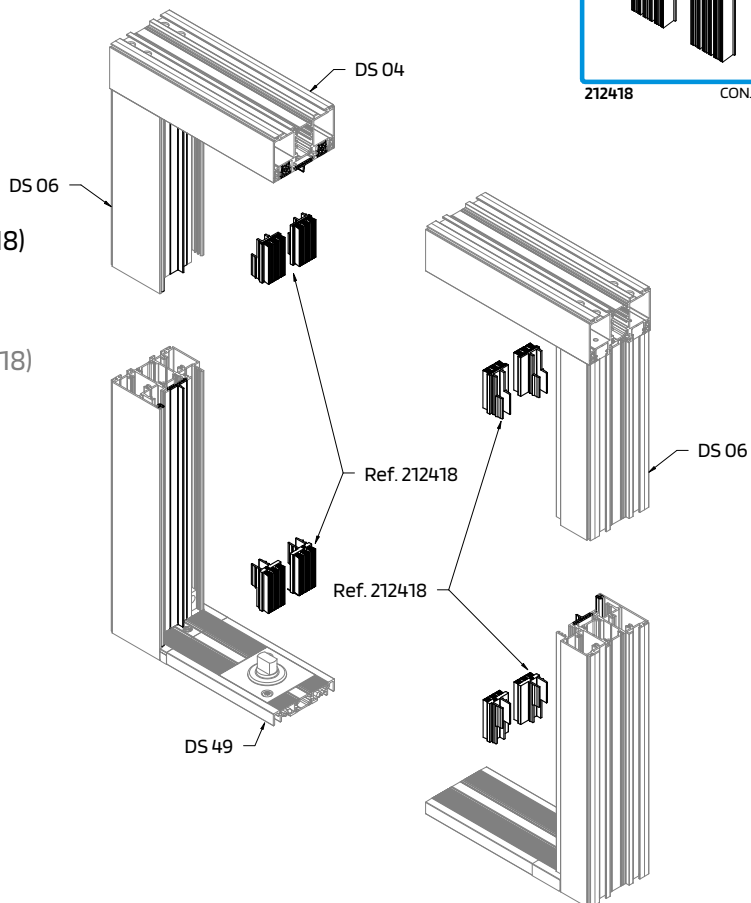
Corte a 90°  
90° Cut  
Coupe à 90°



O conjunto de topos aro fixo DS (212418) é opcional.

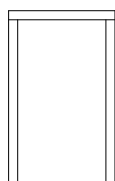
The DS fixed-rim top set (212418) is optional.

Le kit d'embouts à bague fixe DS (212418) est disponible en option.

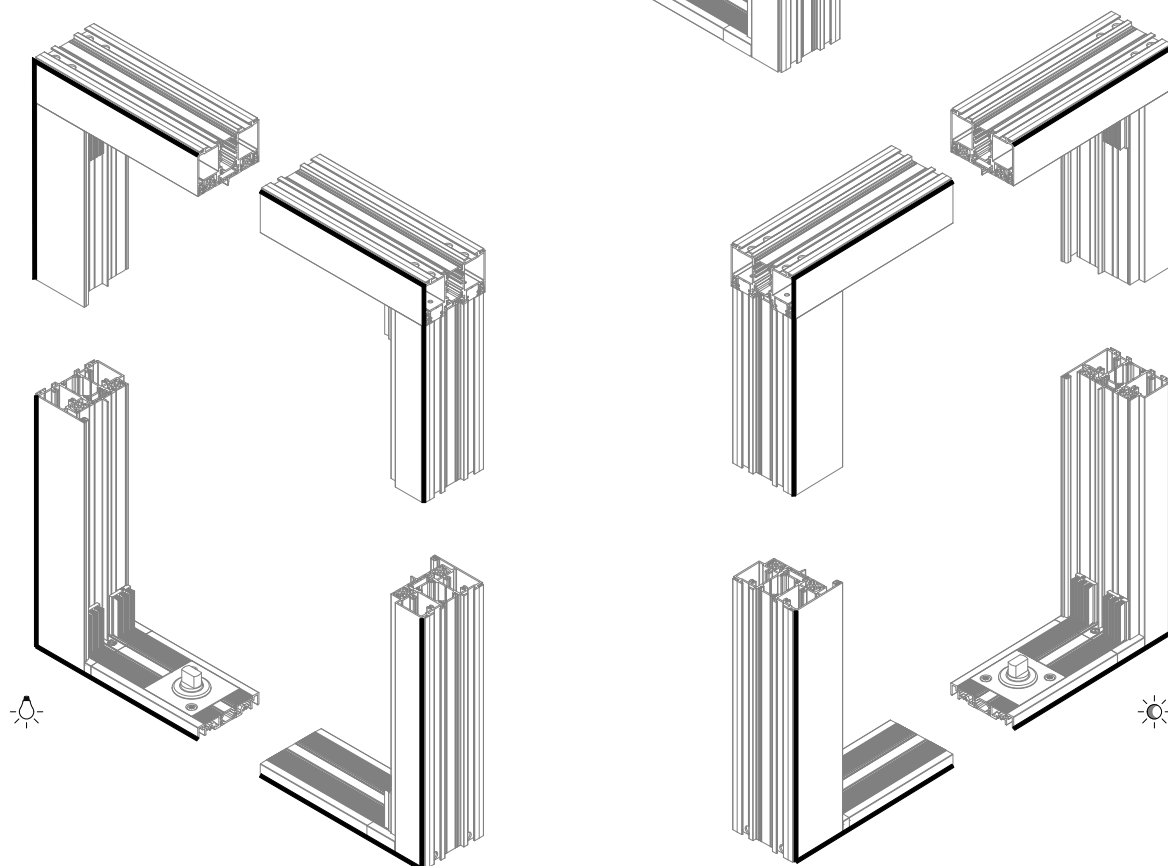
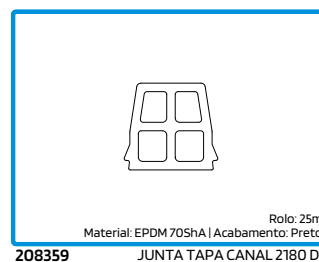
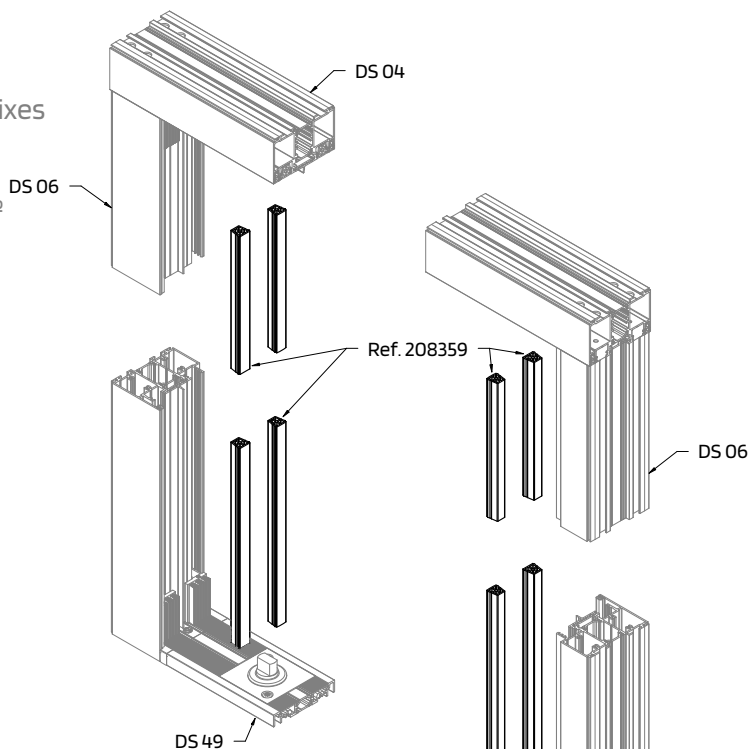


**MONTAGEM DE PERFIS - APLICAÇÃO DOS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - APPLICATION D'EMBOUTS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes



Corte a 90°  
90° Cut  
Coupe à 90°



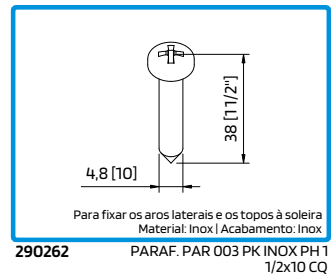
**IMPORTANTE | IMPORTANT | IMPORTANT:**  
 Encher as câmaras com silicone antes de fixar a soleira às ombreiras. Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.  
 Fill the chambers with silicone before fixing the sill to the jambs. Apply silicone in the colour of the profile or neutral silicone in the corner area  
 Remplir les chambres de silicone avant de fixer le seuil aux jambages. Appliquer du silicone à la couleur du profilé ou du silicone neutre dans la zone des cadres.

**MONTAGEM DE PERFIS - APLICAÇÃO SEM OS TOPOS NO PERFIL DE SOLEIRA - TIPOLOGIAS PIVOTANTES**  
**PROFILES ASSEMBLY - WITHOUT END-CAPS APPLICATION TO THE SILL PROFILE - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS - SANS L'APPLICATION D'EMBOUS DANS LES SEUILS - TYPOLOGIES PIVOTANTES**

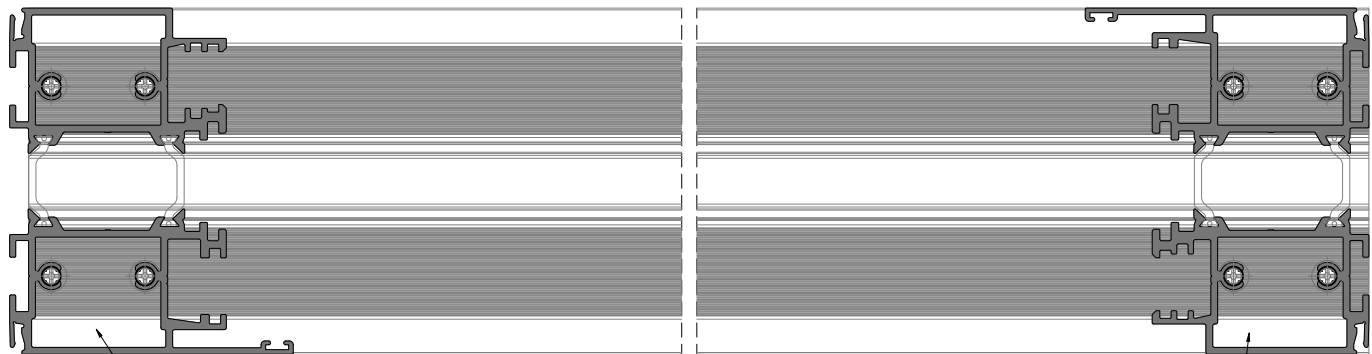
**Aros fixos**  
Fixed frames | Cadres fixes



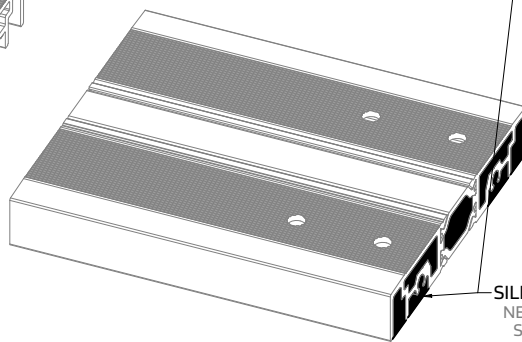
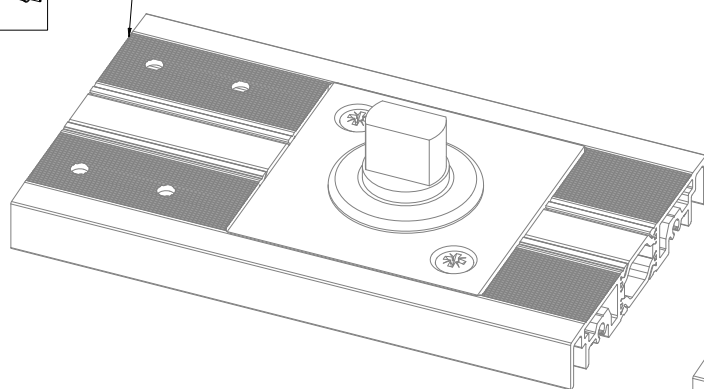
Corte a 90°  
90° Cut  
Coupe à 90°



**Tipologias pivotantes | Pivoting typologies | Typologies à pivotante**



**SILICONE NEUTRO**  
NEUTRAL SILICONE  
SILICONE NEUTRE



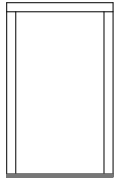
**SILICONE NEUTRO**  
NEUTRAL SILICONE  
SILICONE NEUTRE



**IMPORTANTE | IMPORTANT | IMPORTANT:**  
 Encher as câmaras com silicone antes de fixar a soleira às ombreiras. Aplicar silicone à cor do perfil ou silicone neutro na zona das esquadrias.  
 Fill the chambers with silicone before fixing the sill to the jambs. Apply silicone in the colour of the profile or neutral silicone in the corner area  
 Remplir les chambres de silicone avant de fixer le seuil aux jambages. Appliquer du silicone à la couleur du profilé ou du silicone neutre dans la zone des cadres.

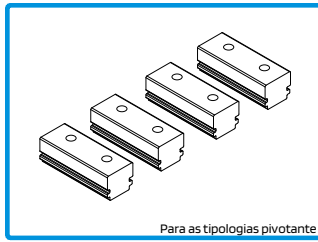
**MONTAGEM DO ARO FIXO - TIPOLOGIAS PIVOTANTES**  
FIXED FRAME ASSEMBLY - **PIVOTING TYPOLOGIES**  
ASSEMBLAGE DES DORMANTS - **TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes

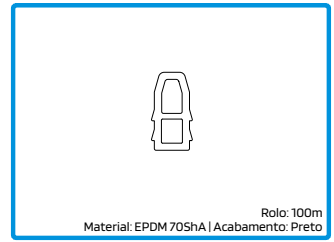


**Corte a 90°**  
90° Cut | Coupe à 90°

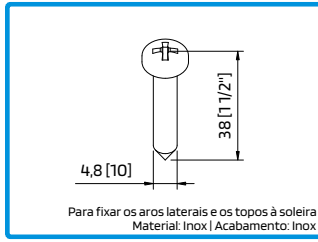
**SELAR AS ESQUADRIAS COM COLA E VEDA**  
SEAL THE MITER JOINTS WITH SEALANT  
SCELLER LES CHANFRAINS AVEC MASTIC



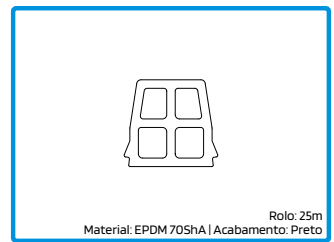
212415 Para as tipologias pivotante  
CONJ. CALÇOS FIX.ARO FIXO DS



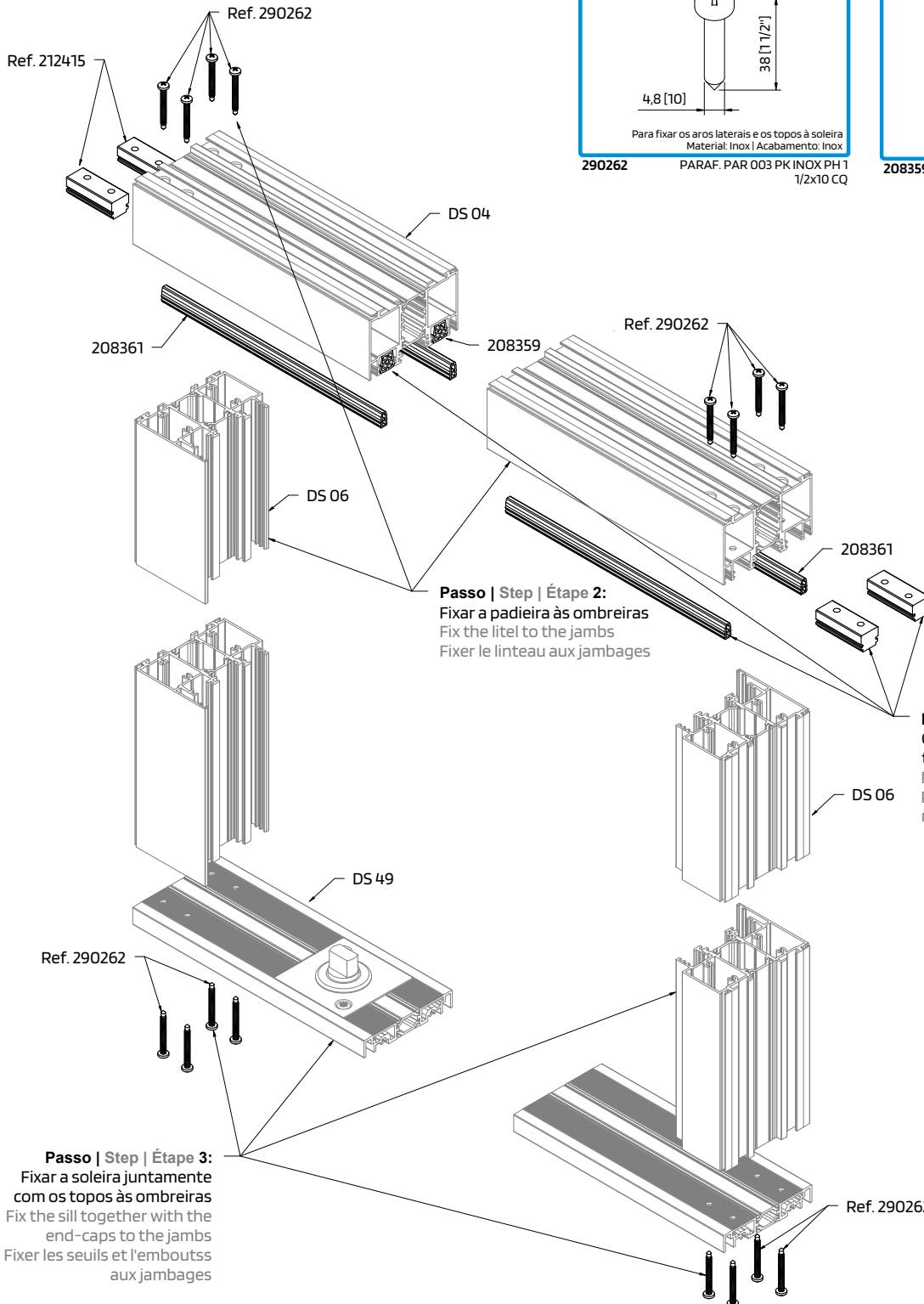
208361 JUNTA TAPA CANAL 2182 DS  
Material: EPDM 70ShA | Acabamento: Preto  
Rolo: 100m



290262 Para fixar os aros laterais e os topos à soleira  
Material: Inox | Acabamento: Inox  
PARAF. PAR 003 PK INOX PH 1 1/2x10 CQ

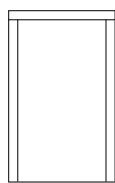


208359 JUNTA TAPA CANAL 2180 DS  
Material: EPDM 70ShA | Acabamento: Preto  
Rolo: 25m



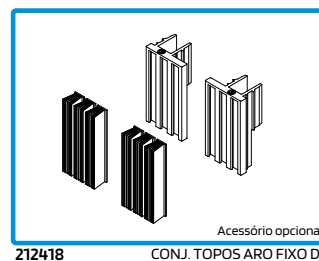
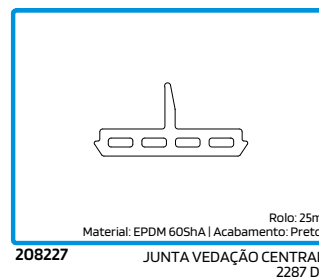
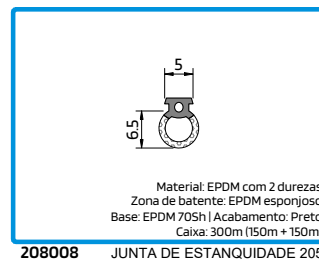
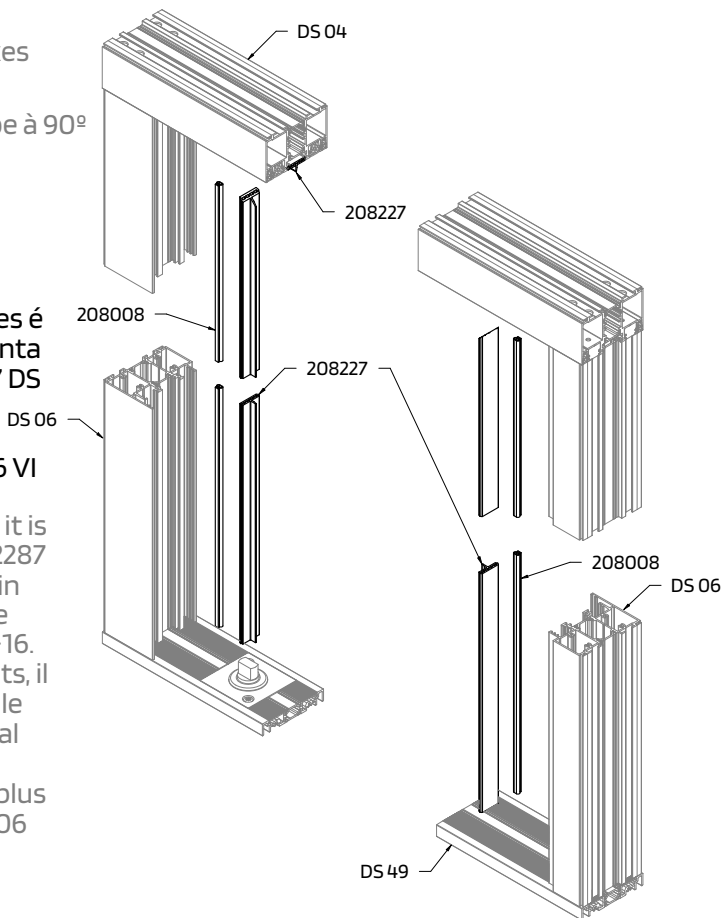
**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS PIVOTANTES**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRÉ FIXE - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes

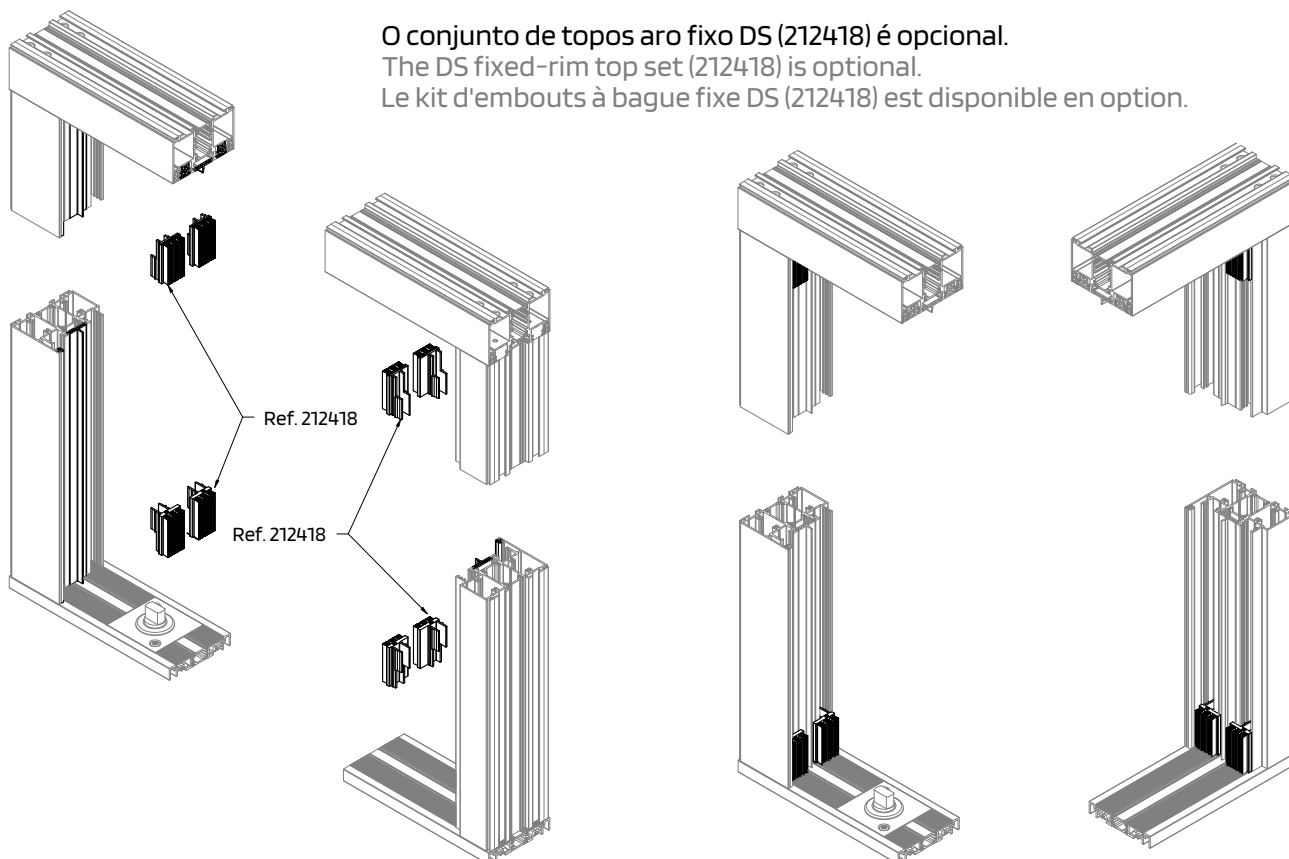


Corte a 90°  
90° Cut | Coupe à 90°

Nas tipologias pivotantes é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta. Consultar pormenor na pagina 106 VI 1-16.  
 For pivoting typologies, it is important to place the 2287 DS central seal (208227) in the correct position. See details on page 106 VI 1-16.  
 Sur les modèles pivotants, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la position correcte. Pour plus de détails, voir la page 106 VI 1-16.

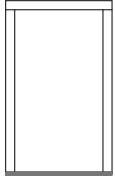


O conjunto de topos aro fixo DS (212418) é opcional.  
 The DS fixed-rim top set (212418) is optional.  
 Le kit d'embouts à bague fixe DS (212418) est disponible en option.

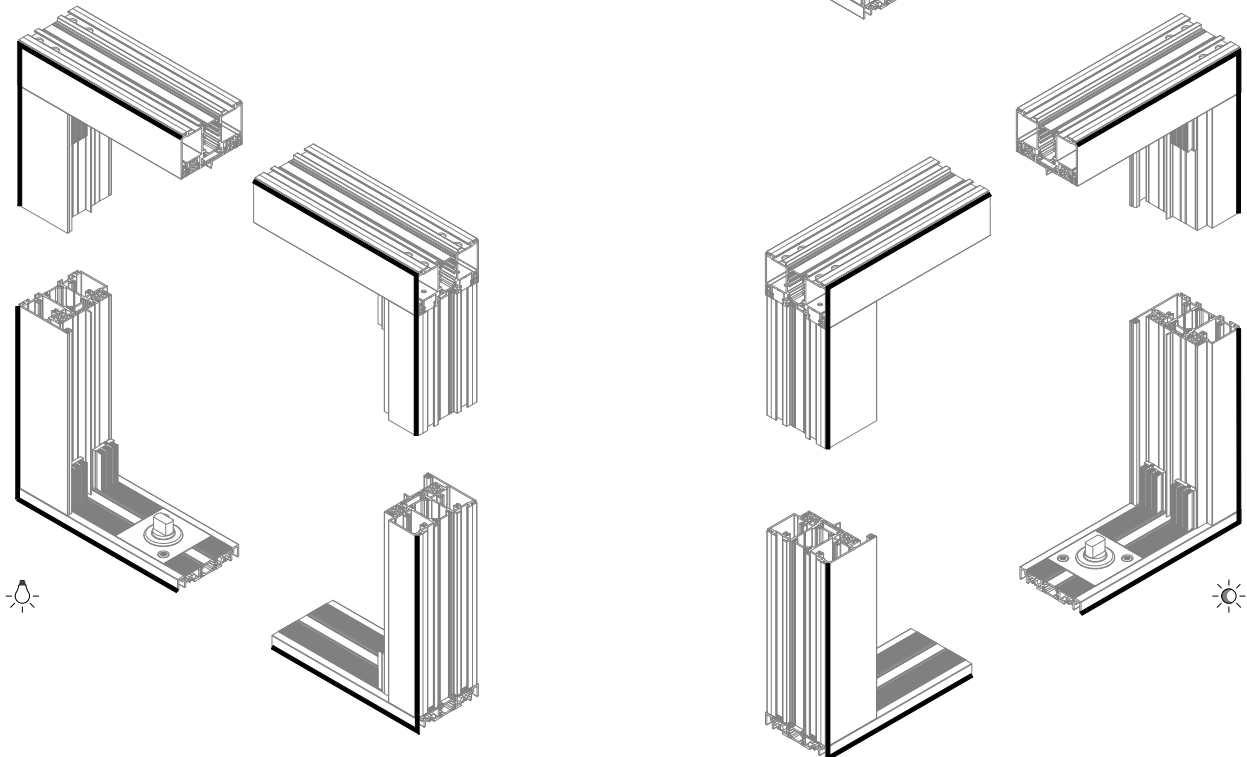
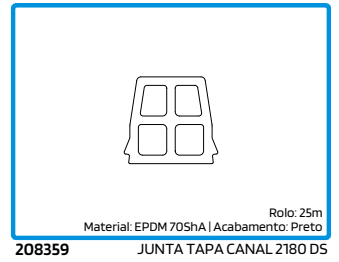
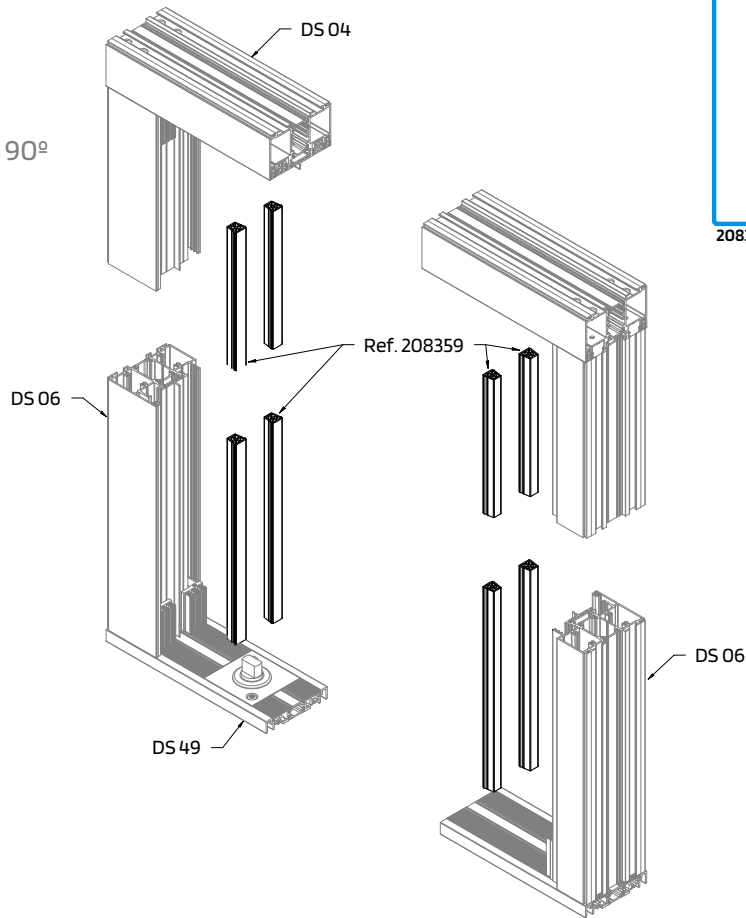


**MONTAGEM DE PERFIS E ACESSÓRIOS NO ARO FIXO - TIPOLOGIAS PIVOTANTES**  
**ASSEMBLY OF PROFILES AND ACCESSORIES IN THE FIXED FRAME - PIVOTING TYPOLOGIES**  
**ASSEMBLAGE DES PROFILÉS ET DES ACCESSOIRES DANS LE CADRE FIXE - TYPOLOGIES PIVOTANTES**

**Aros fixos**  
Fixed frames | Cadres fixes



**Corte a 90°**  
90° Cut | Coupe à 90°



**IMPORTANTE | IMPORTANT | IMPORTANT:**  
**Colocar sempre silicone, à cor ou neutro, pelo interior e exterior**  
 Always apply silicone, coloured or neutral, inside and outside  
 Toujours appliquer du silicone, coloré ou neutre, à l'intérieur et à l'extérieur

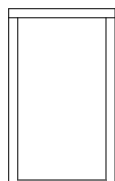
## MONTAGEM DO ARO FIXO - TIPOLOGIAS PIVOTANTES

### FIXED FRAME ASSEMBLY - PIVOTING TYPOLOGIES

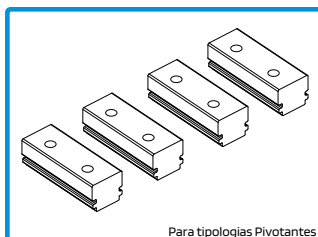
### ASSEMBLAGE DES DORMANTS - TYPOLOGIES PIVOTANTES

#### Aros fixos

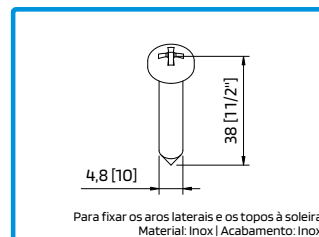
Fixed frames | Cadres fixes



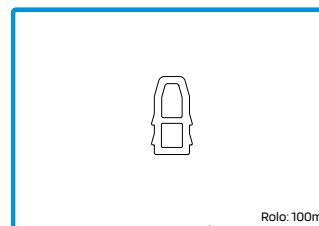
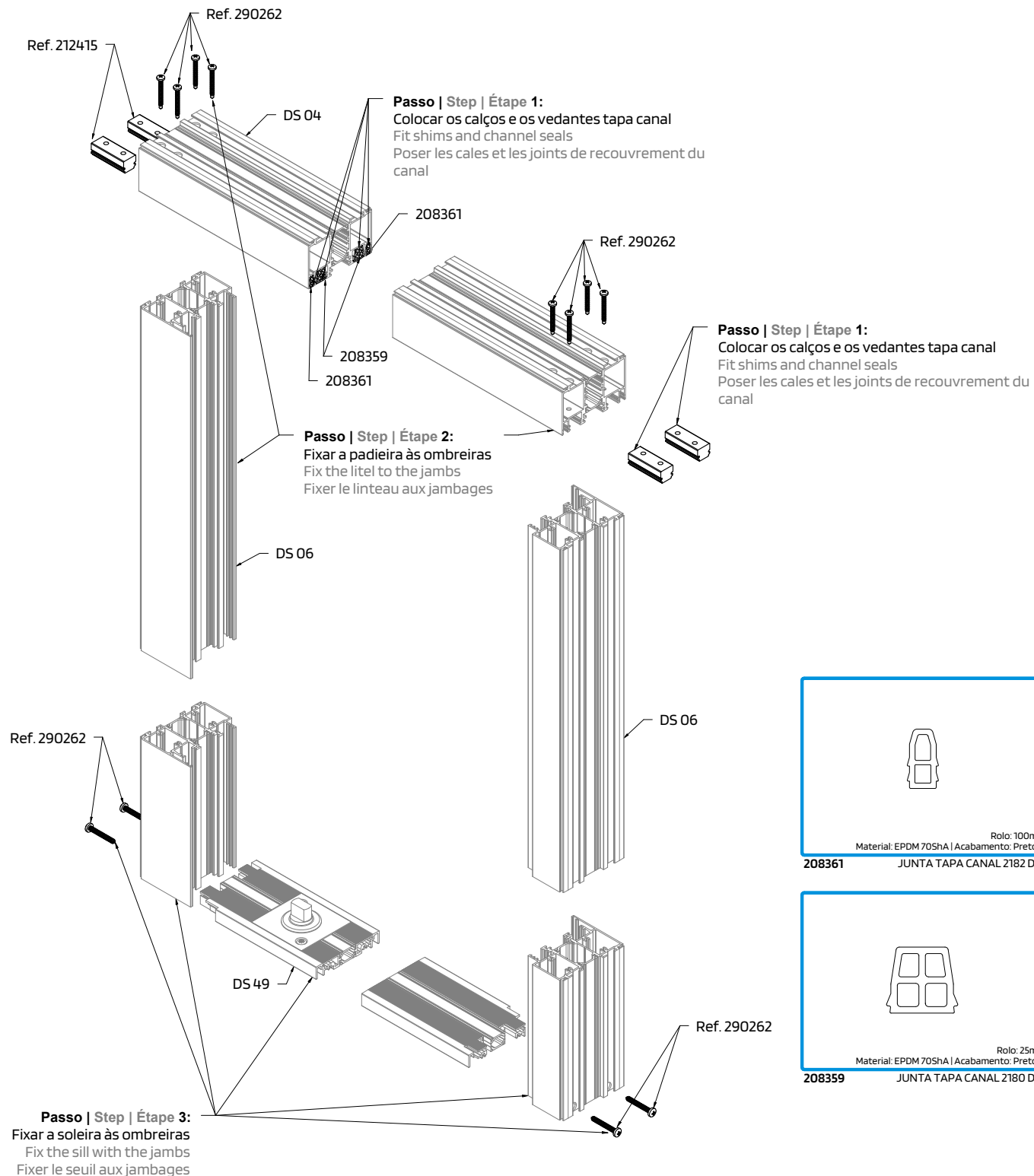
Corte a 90°  
90° Cut | Coupe à 90°



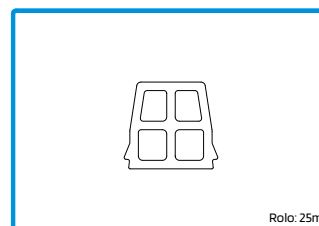
212415 CONJ. CALÇOS FIXAÇÃO PADIEIRA OMBREIRA DS



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



208361 JUNTA TAPA CANAL 2182 DS



208359 JUNTA TAPA CANAL 2180 DS

## MONTAGEM DE PERFIS - APLICAÇÃO DE ESQUADROS EM AROS MÓVEIS

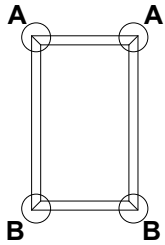
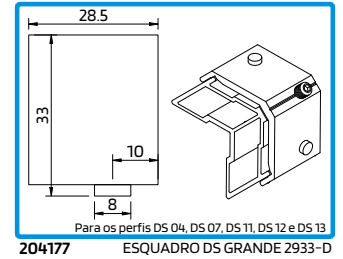
PROFILES ASSEMBLY - CORNER CLEATS APPLICATION IN MOBILE FRAMES

ASSEMBLAGE DES PROFILÉS - APPLICATION D'ÉQUERRRES SUR L'OUVRANTS

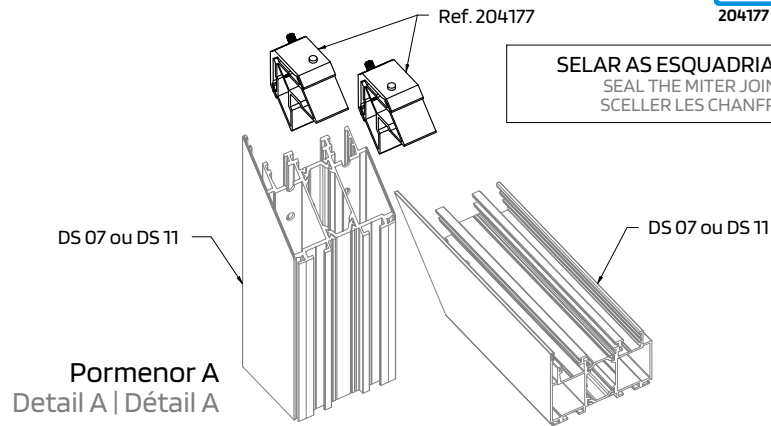
### Aros móveis - TIPOLOGIAS DE BATENTE 1 FOLHA

Mobile frames - 1 SASH SIDE-HINGED TYPOLOGIES

Cadres fixes - TYPOLOGIES À BATTANT À 1 VANTAIL



Corte a 45°  
45° Cut | Coupe à 45°

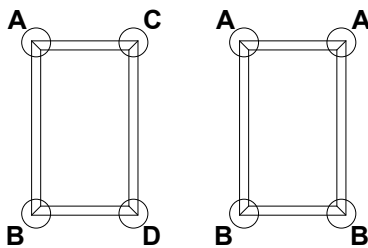


**SELAR AS ESQUADRIAS COM COLA E VEDA**  
SEAL THE MITER JOINTS WITH SEALANT  
SCELLER LES CHANFRAINS AVEC MASTIC

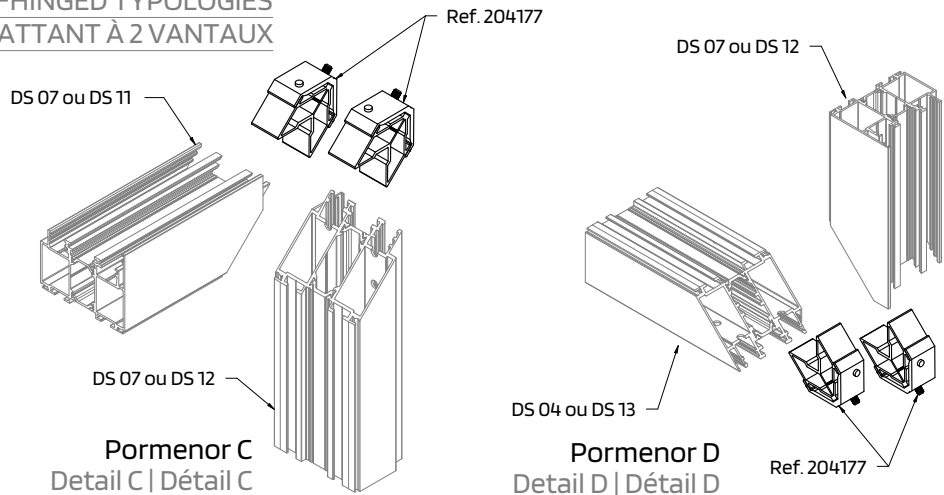
### Aros móveis - TIPOLOGIAS DE BATENTE 2 FOLHAS

Mobile frames - 2 SASHES SIDE-HINGED TYPOLOGIES

Cadres fixes - TYPOLOGIES À BATTANT À 2 VANTAUX



Corte a 45°  
45° Cut | Coupe à 45°

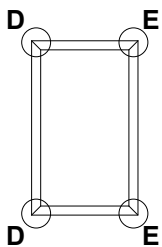


Pormenor D  
Detail D | Détail D

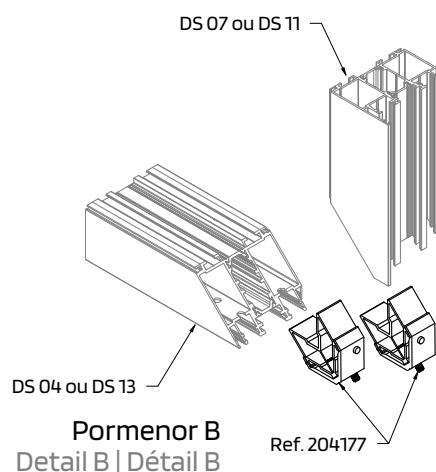
### Aros móveis - TIPOLOGIAS PIVOTANTES

Mobile frames - PIVOTING TYPOLOGIES

Cadres fixes - TYPOLOGIES PIVOTANTES



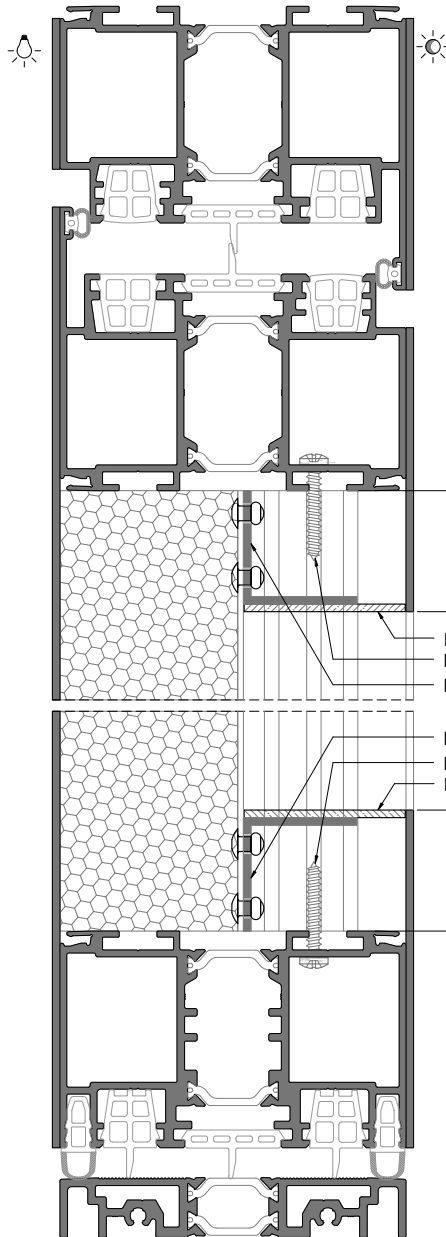
Corte a 45°  
45° Cut | Coupe à 45°



Pormenor B  
Detail B | Détail B

**Nota:** Estes pormenores exemplificativos é válido para as tipologias com vidro.  
**Note:** These exemplary details are valid for glass typologies  
**Note:** Ces détails exemplaires sont valables pour les typologies de verre

**MONTAGEM DO PERFIL SO 81**  
SO 81 PROFILE ASSEMBLY  
ASSAMBLAGE DU PROFILÉ SO 81



Aplicar no interior do perfil SO81  
Fixar com Parafuso DIN7981 3,9x25 A2 (Ref 290271)  
Acabamento: Lacados e anodizados| Material: Alumínio

**212449** CONJ. TOPOS SO 81 N°2

Para o perfil SO 10

**213306** ÂNGULO REMATE CENTRAL

Aplicar no interior do perfil SO 81  
Material: EPDM | Acabamento: Preto  
Caixa: 4 rolos de 25m por caixa

**208323** JUNTA VD 2132

Barra: 4m  
Aplicar no interior do perfil SO 81  
Compatível com os perfis OR05, OR16 e OR17

**215995** PERFIL DIFUSOR LED PP 2118

3200-3300K  
24Vdc  
8W/m  
120 LED/m  
Classe de Proteção: IP 65

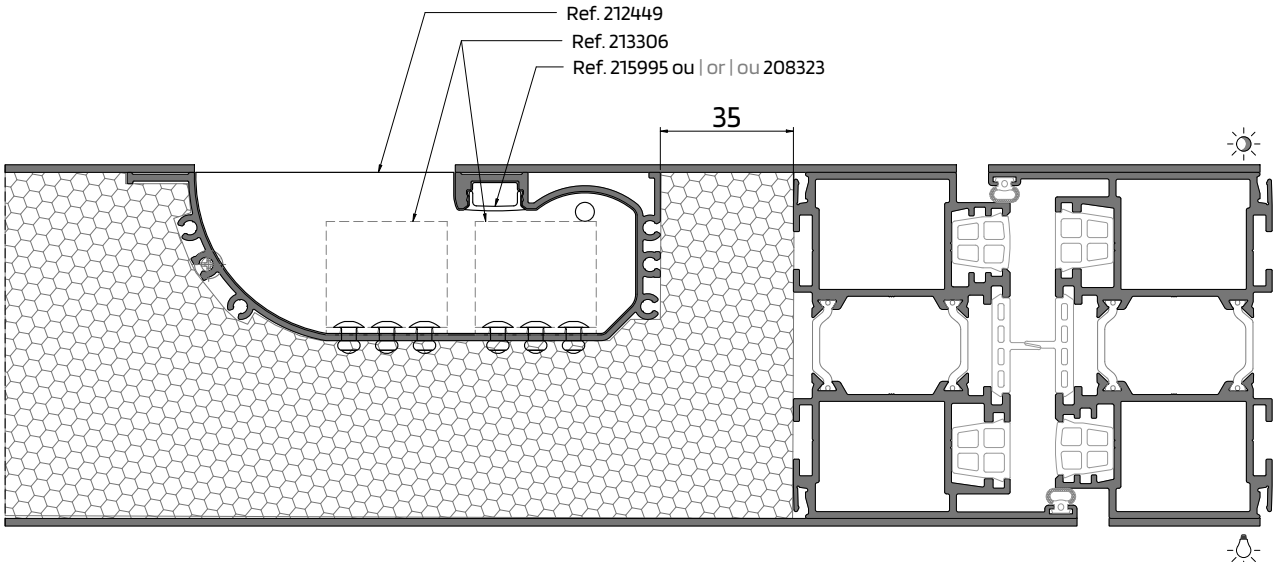
**221122** FITA LED IP65 24V/8W BRANCA (5M)

3200-3300K  
24Vdc  
8W/m  
120 LED/m  
Classe de Proteção: IP 65

**221123** FITA LED IP65 24V/8W BRANCA (7M)

Para fixar o perfil SO 81 no aro móvel, na OS-P  
Material: Inox | Acabamento: Inox

**290271** PARAF. DIN 7981 3,9X25 A2



## MONTAGEM DO PERFIL SO 81

SO 81 PROFILE ASSEMBLY

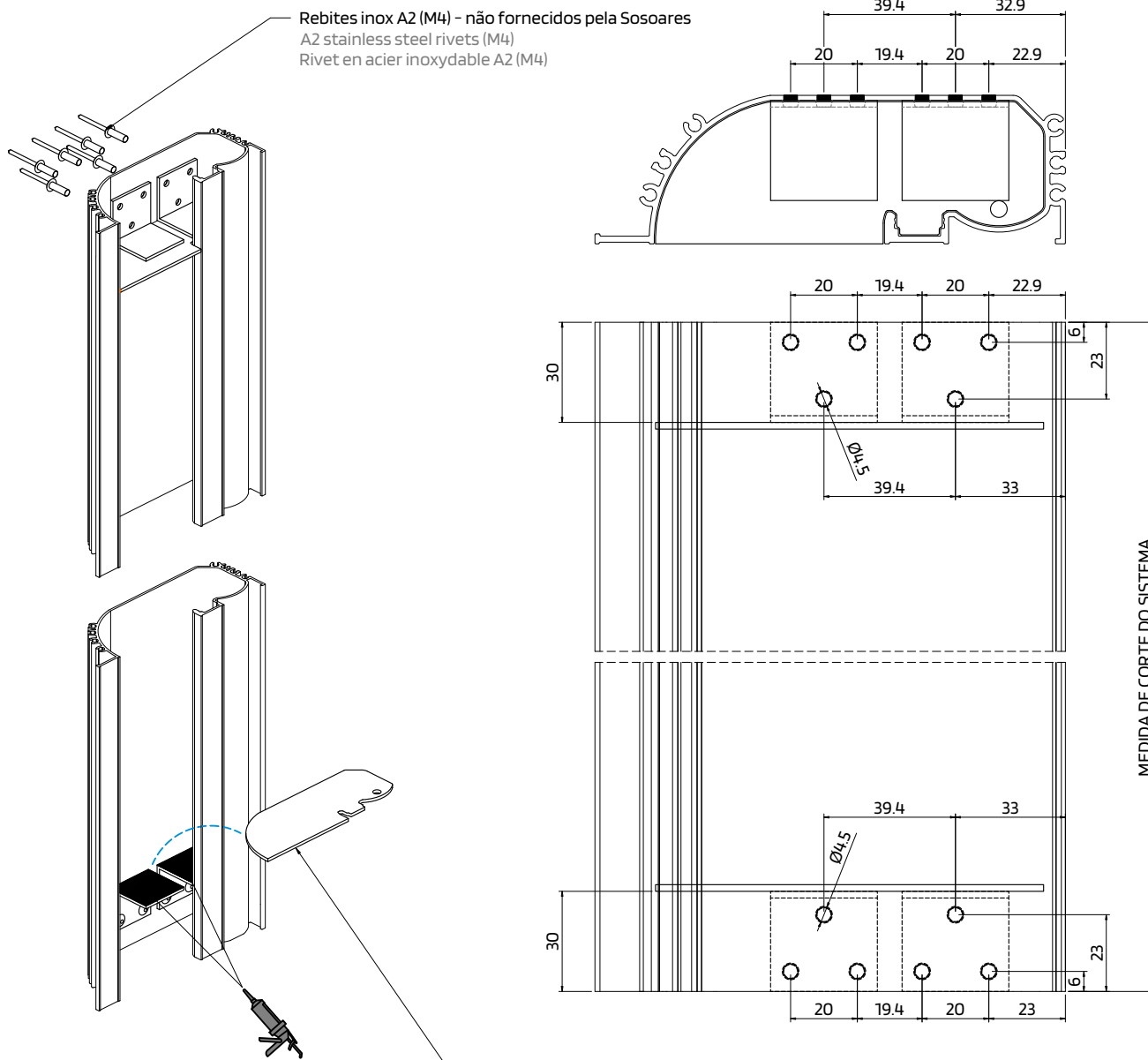
ASSAMBLAGE DU PROFILÉ SO 81

### Esquema de aplicação dos topos e cantoneiras de fixação

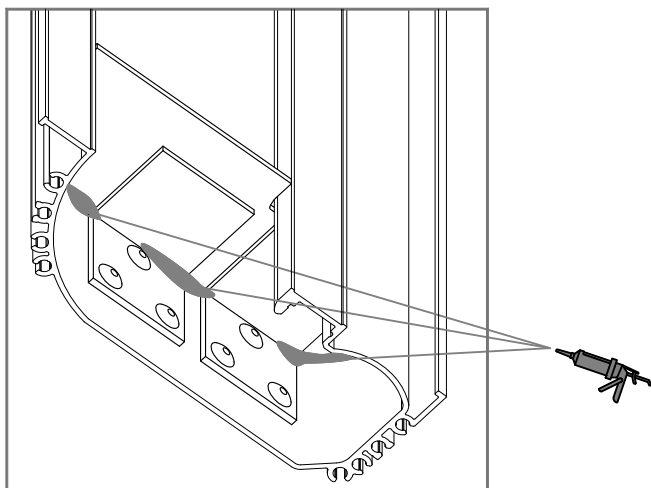
Application diagram of fixing top ends and corner

Schéma d'application des extrémités et des coins de fixation

Rebites inox A2 (M4) - não fornecidos pela Sosoares  
A2 stainless steel rivets (M4)  
Rivet en acier inoxydable A2 (M4)



Fixar por colagem os topos às cantoneiras.  
Fix the tops to the corners by gluing steel rivets.  
Fixer les couvercs aux coin en les collant.

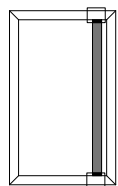


Por fim, selar o contorno dos topos e o furo da peça.  
Finally, seal the contour of the end-caps and the hole of the piece.  
Enfin, scellez le contour d'embouts e le trou de la pièce.

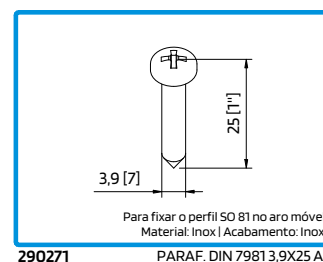
## MONTAGEM DO PERFIL SO 81 SO 81 PROFILE ASSEMBLY ASSAMBLAGE DU PROFILÉ SO 81

### Aros móveis

Mobile frames | Cadres ouvrants

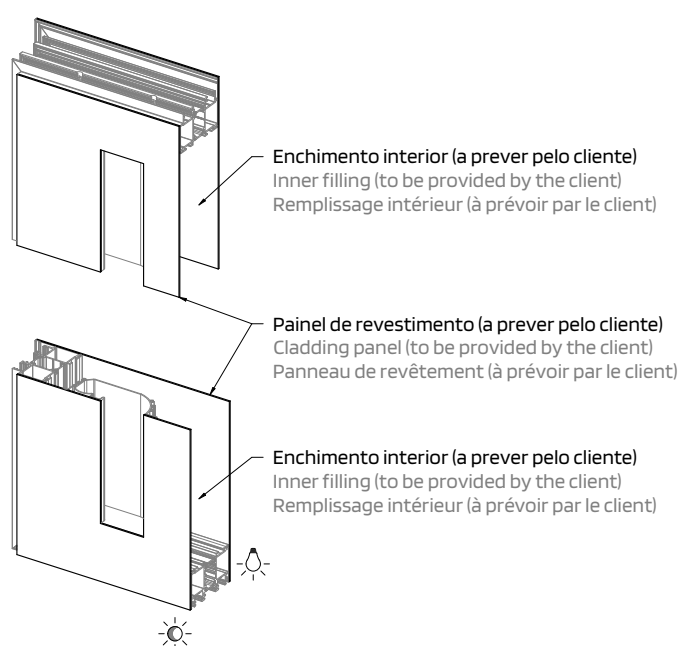
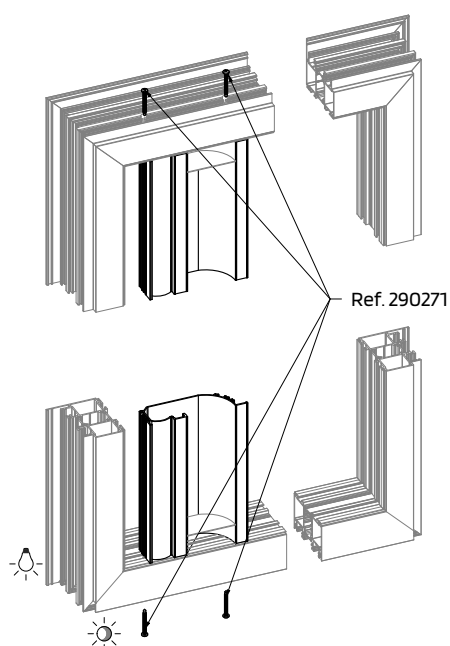


Corte a 45°  
45° Cut | Coupe à 45°



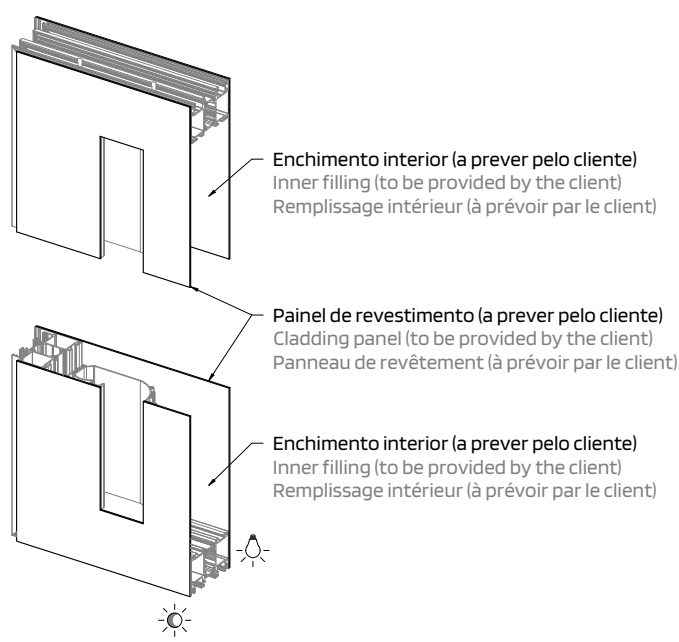
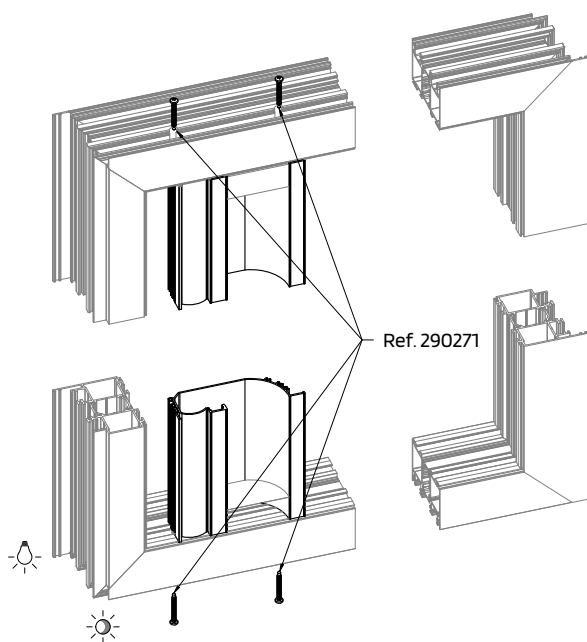
### Tipologias de batente

Side-hinged typologies | Typologies à battant

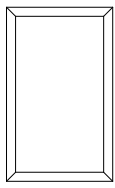


### Tipologias pivotantes

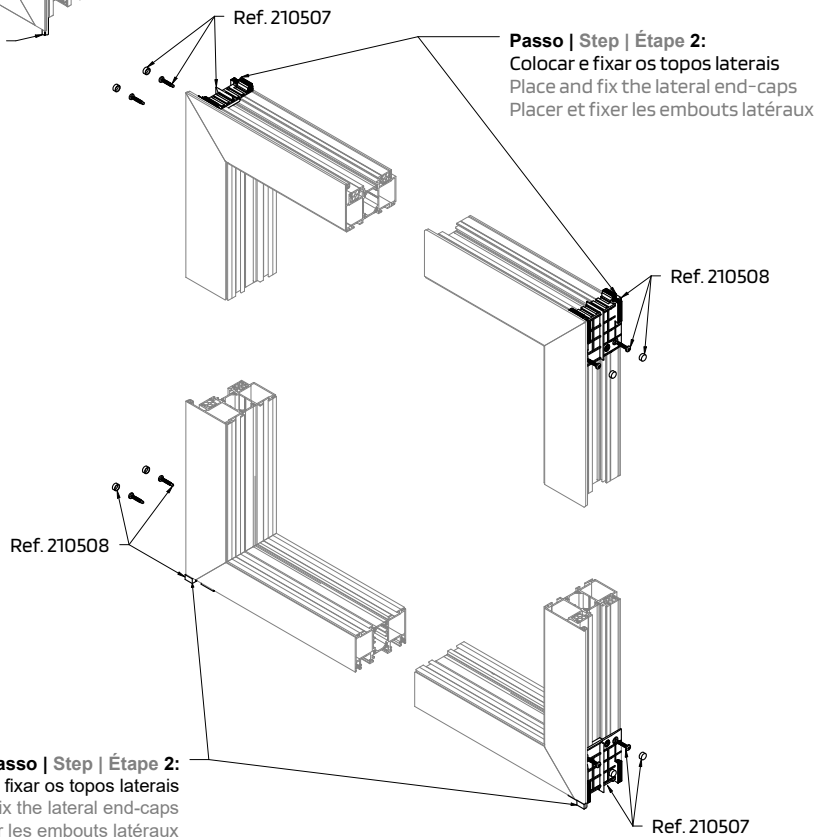
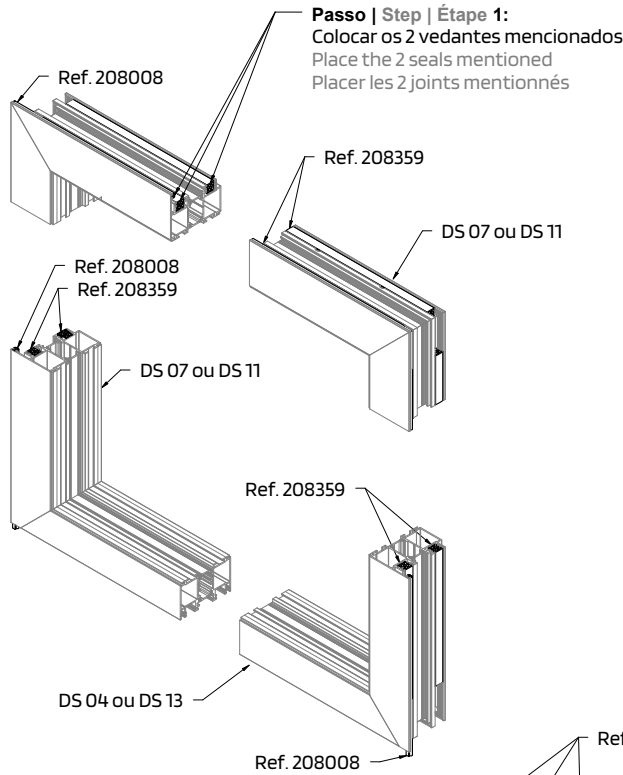
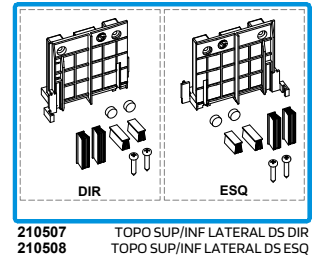
Pivoting typologies | Typologies pivotantes



**APLICAÇÃO DOS VEDANTES E TOPOS NAS FOLHAS MÓVEIS - PARA TIPOLOGIAS DE BATENTE 1 FOLHA**  
**SEALS AND END-CAPS APPLICATION ON MOBILE SASHES - FOR 1 SASH SIDE-HINGED TYPOLOGIES**  
**APPLICATION DE JOINTS ET D'EMBOUS SUR LES CADRES OUVRANTS - POUR TYPOLOGIES À BATTANT 1 VANTAIL**



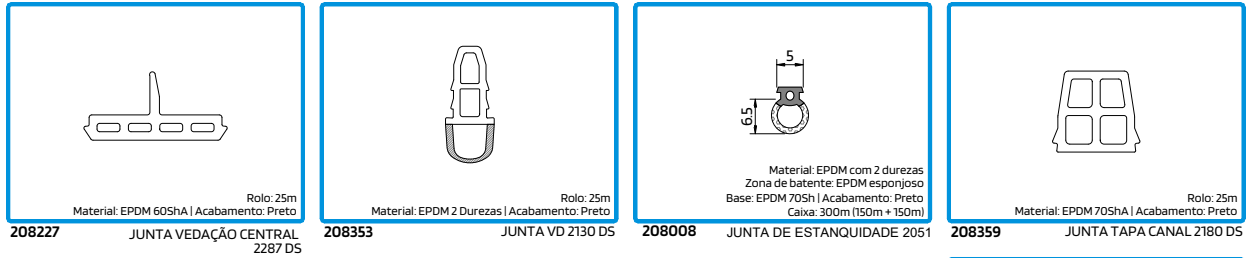
**Corte a 45°**  
45° Cut | Coupe à 45°



**APLICAÇÃO DOS VEDANTES E TOPOS NAS FOLHAS MÓVEIS - PARA TIPOLOGIAS DE BATENTE 1 FOLHA**  
SEALS AND END-CAPS APPLICATION ON MOBILE SASHES - **FOR 1 SASH SIDE-HINGED TYPOLOGIES**  
APPLICATION DE JOINTS ET D'EMBOUS SUR LES CADRES OUVRANTS - **POUR TYPOLOGIES À BATTANT 1 VANTAIL**

**Aros móveis - TIPOLOGIAS DE BATENTE**

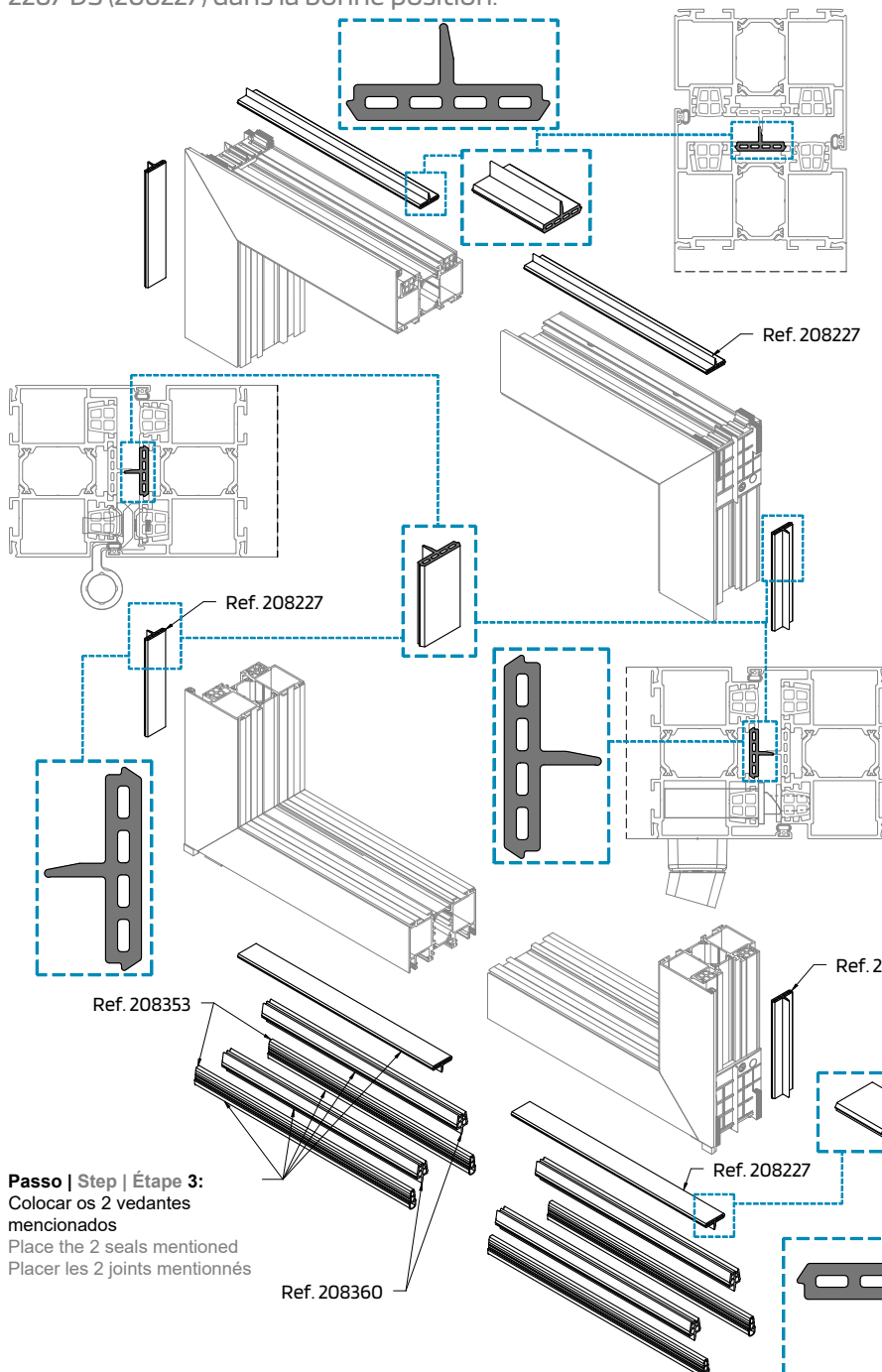
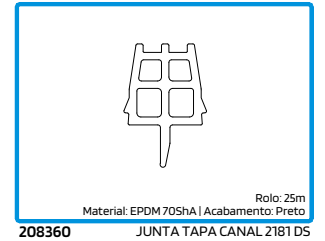
Mobile frames - SIDE-HINGED TYPOLOGIES | Cadres ouvrants - TYPOLOGIES À BATTANT



Nas tipologias de batente é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta.

For rebated door types, it is important to fit the 2287 DS central gasket (208227) in the correct position.

Pour les modèles à battant, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la bonne position.



	Corte horizontal do vedante = Lfolha-80mm Ref. 208227
	Corte vertical do vedante = Hfolha-154mm Ref. 208227
	Corte horizontal do vedante = Lfolha-80mm Ref. 208353
	Corte horizontal do vedante = Lfolha-68mm Ref. 208359
	Corte vertical do vedante = Hfolha-141mm Ref. 208359
	Corte horizontal do vedante = Lfolha-68mm Ref. 208360

**Passo | Step | Étape 3:**  
Colocar os 2 vedantes mencionados  
Place the 2 seals mentioned  
Placer les 2 joints mentionnés

## APLICAÇÃO DOS TOPOS LATERAIS - NO ARO MÓVEL

LATERAL END-CAPS APPLICATION - MOBILE FRAME

ASSEMBLAGE D'EMBOUITS LATÉRAUX - CADRE OUVRANT

Para tipologias de batente 1 folha

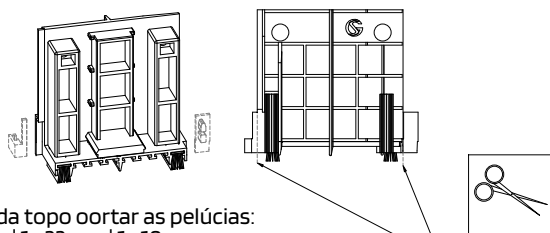
For 1 sash side-hinged typologies

Pour typologies à battant 1 vantail

**Nas tipologias de batente os topos superiores terão de ser cortados**

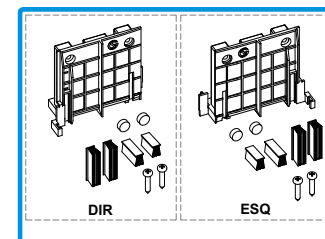
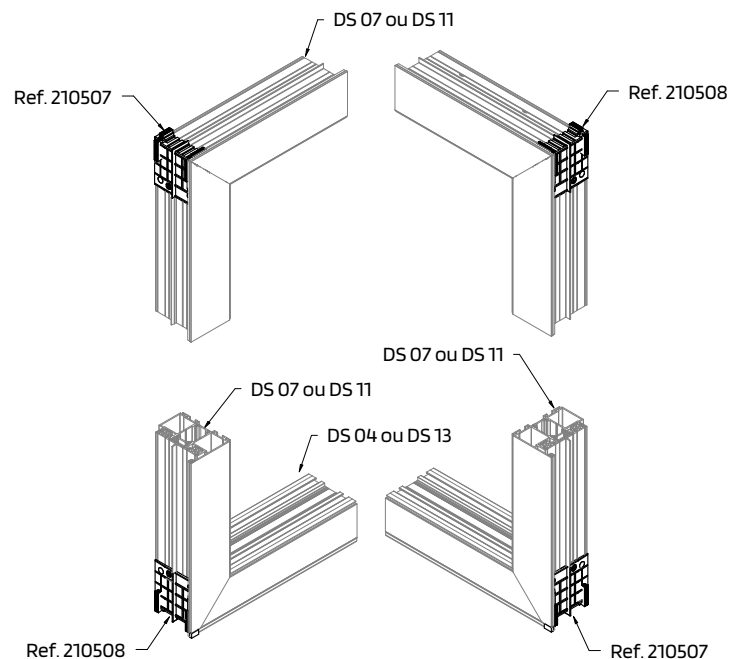
**In hinged typologies, the tops must be cut off**

**Pour les types à battant, l'embouts supérieurs doivent être coupés.**

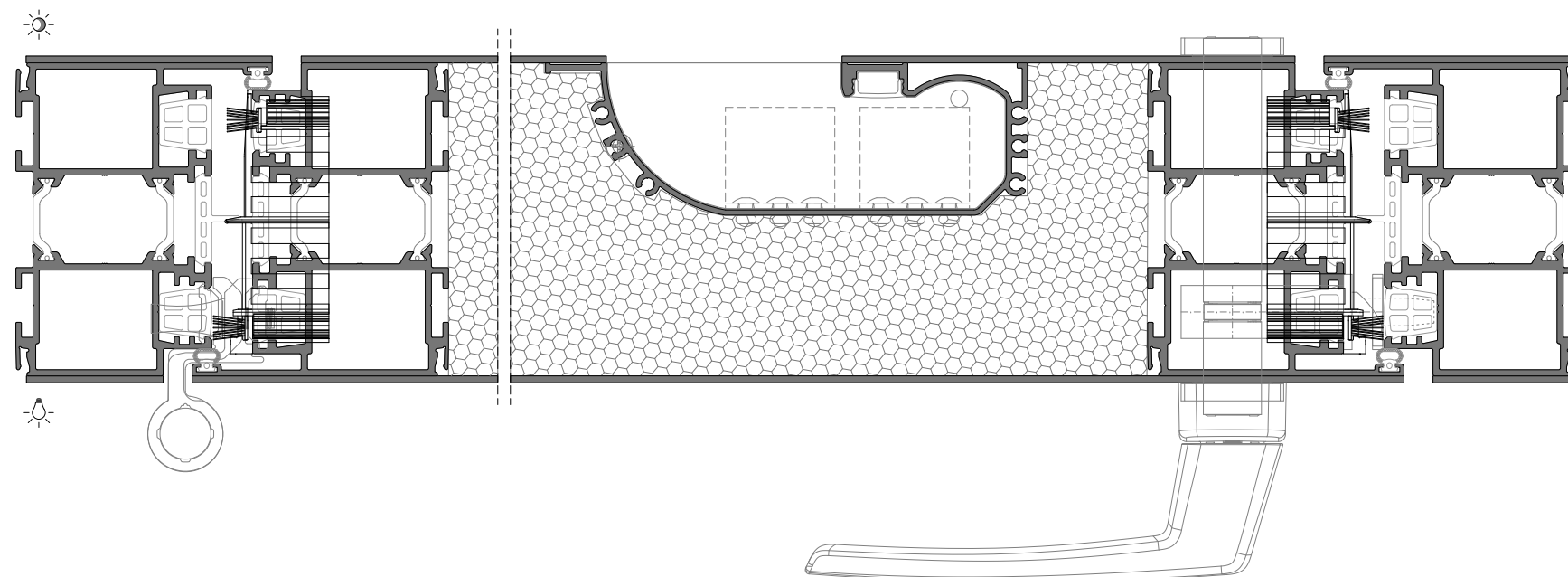


Para cada topo oortar as pelúcias:  
2x 31mm | 1x 22mm | 1x 18mm

CORTAR POR AQUI  
CUT HERE | COUPER ICI



210507 TOPO SUP/INF LATERAL DS DIR  
210508 TOPO SUP/INF LATERAL DS ESQ

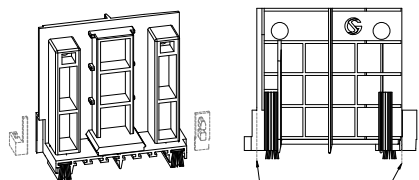


## APLICAÇÃO DOS TOPOS LATERAIS - NO ARO MÓVEL

LATERAL END-CAPS APPLICATION - MOBILE FRAME  
 ASSEMBLAGE D'EMBOUITS LATÉRAUX - CADRE OUVRANT

Para tipologias de batente 2 folhas  
 For 2 sashes side-hinged typologies  
 Pour typologies à battant 2 vantaux

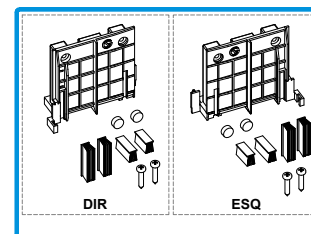
**Nas tipologias de batente os topos superiores terão de ser cortados**  
**In hinged typologies, the tops must be cut off**  
**Pour les types à battant, l'embouts supérieurs doivent être coupés.**



Para cada topo cortar as pelúcias:  
 2x 31mm | 1x 22mm | 1x 18mm



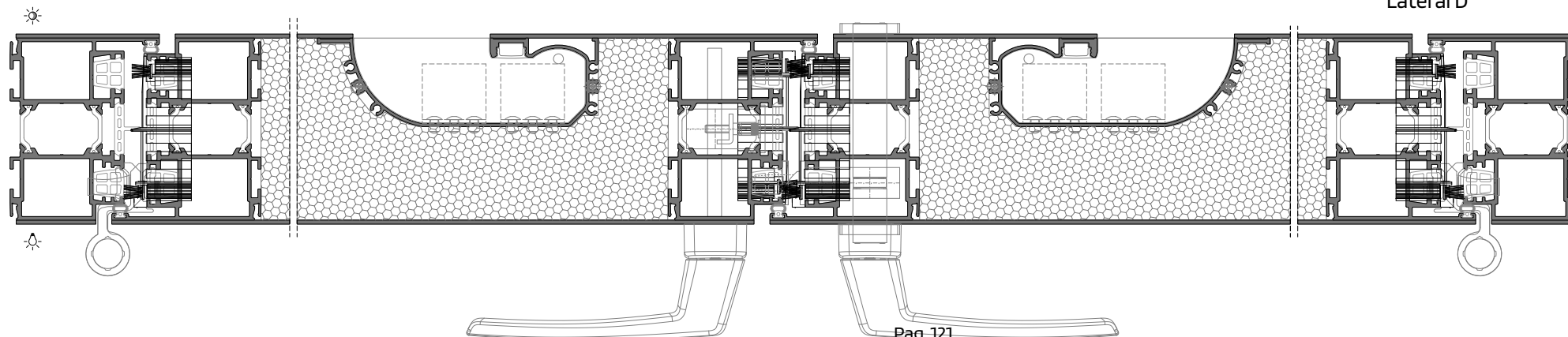
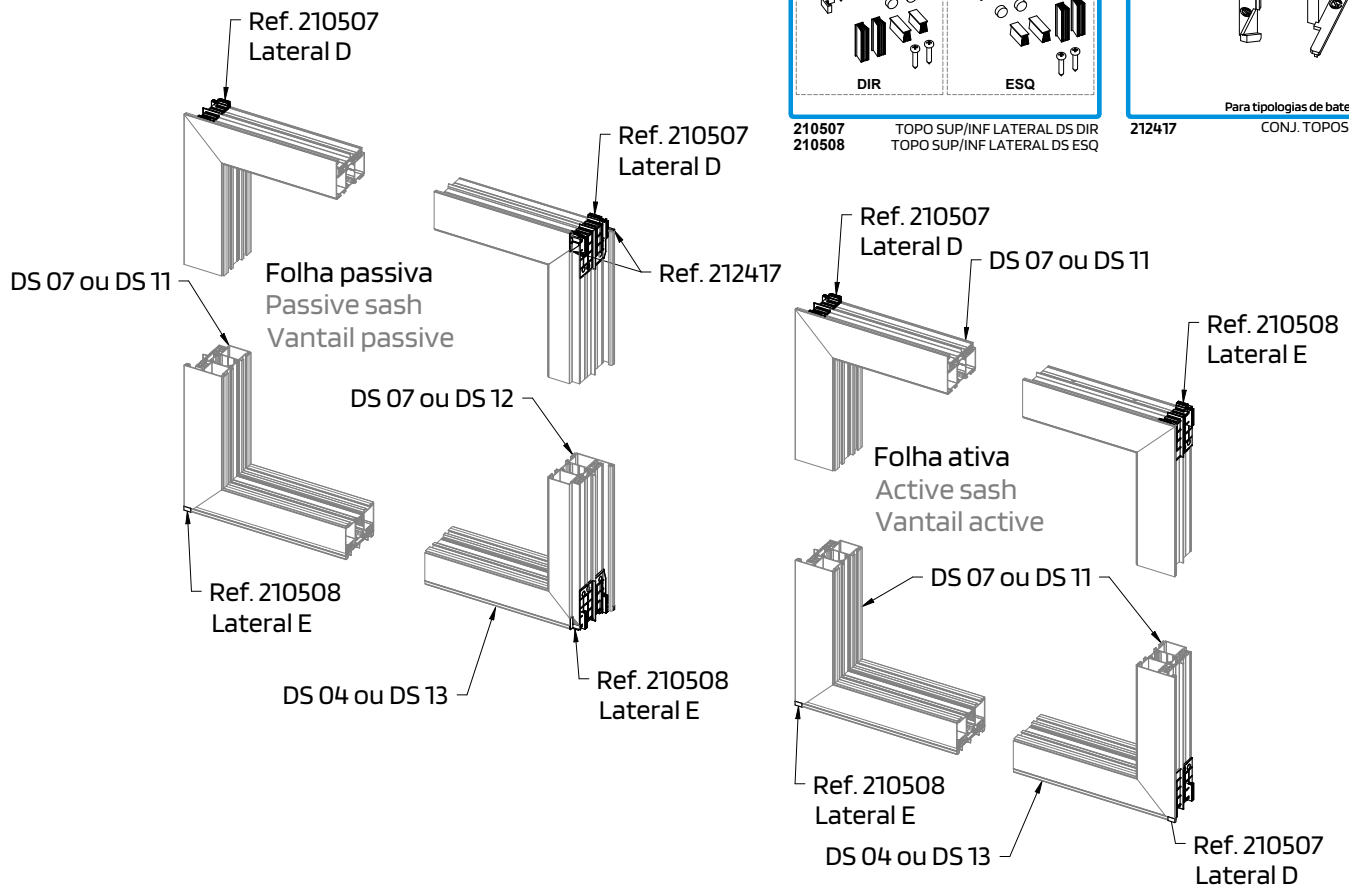
CORTAR POR AQUI  
 CUT HERE | COUPER ICI



210507 210508 TOPO SUP/INF LATERAL DS DIR TOPO SUP/INF LATERAL DS ESQ



212417 Para tipologias de batente de 2 folhas CONJ. TOPOS SUPERIORES 2 FOLHAS DS



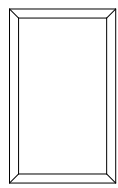
**APLICAÇÃO DOS VEDANTES E TOPOS NAS FOLHAS MÓVEIS - TIPOLOGIAS PIVOTANTES**

SEALS AND END-CAPS APPLICATION ON MOBILE SASHES - **PIVOTING TYPOLOGIES**

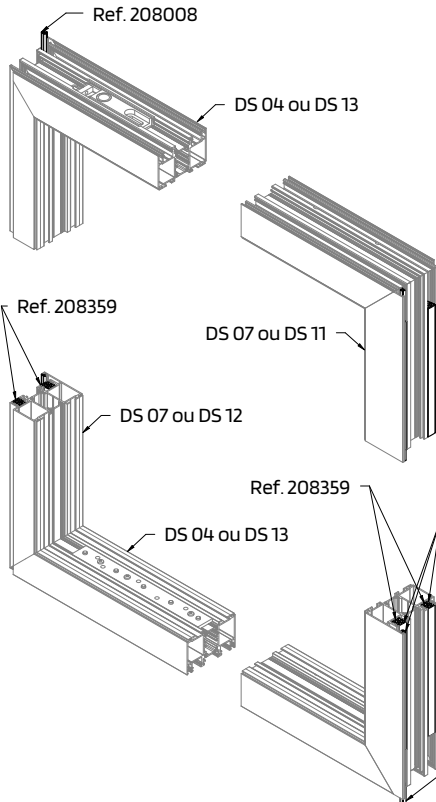
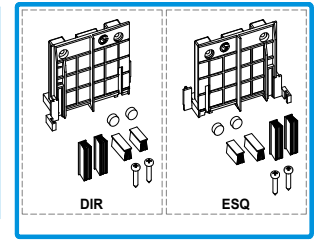
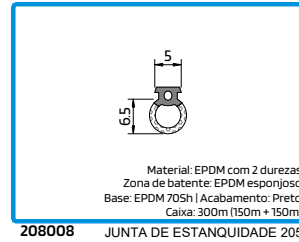
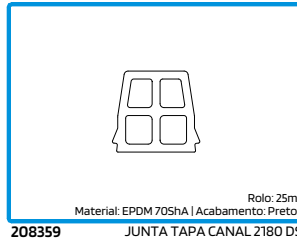
APPLICATION DE JOINTS ET D'EMBOUS SUR LES CADRES OUVRANTS - **TYPOLOGIES PIVOTANTES**

**Aros móveis - TIPOLOGIAS PIVOTANTES**

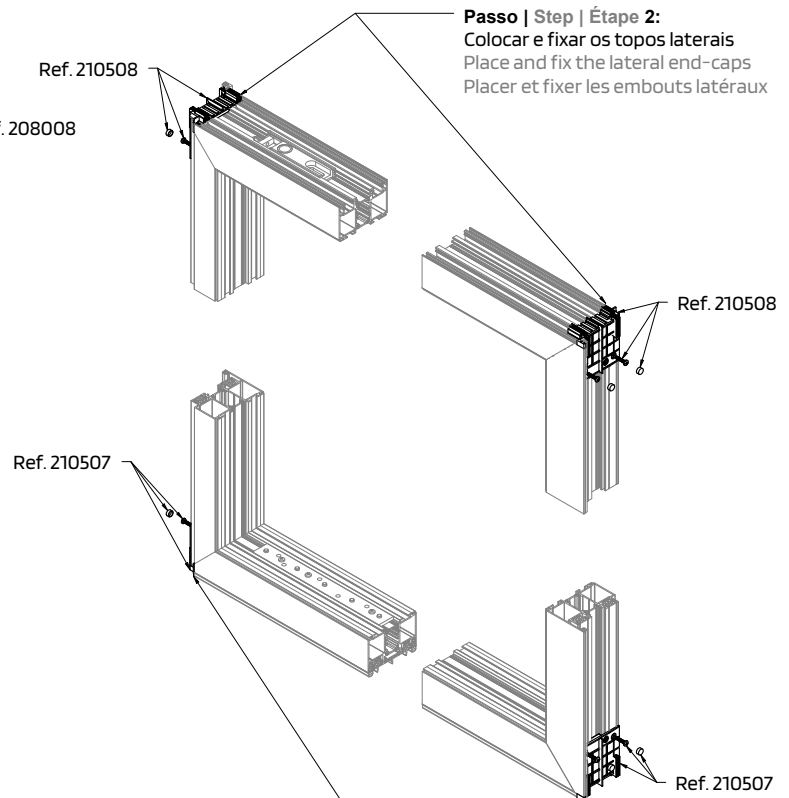
Mobile frames - PIVOTING TYPOLOGIES | Cadres ouvrants - TYPOLOGIES PIVOTANTES



**Corte a 45°**  
45° Cut | Coupe à 45°

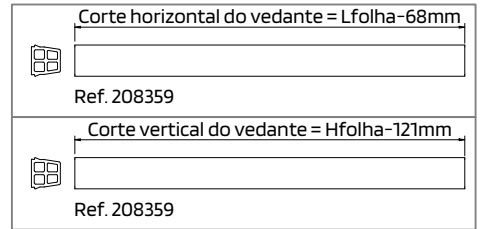


**Passo | Step | Étape 1:**  
Colocar os 2 vedantes mencionados  
Place the 2 seals mentioned  
Placer les 2 joints mentionnés



**Passo | Step | Étape 2:**  
Colocar e fixar os topos laterais  
Place and fix the lateral end-caps  
Placer et fixer les embouts latéraux

**Passo | Step | Étape 2:**  
Colocar e fixar os topos laterais  
Place and fix the lateral end-caps  
Placer et fixer les embouts latéraux



**APLICAÇÃO DOS VEDANTES E TOPOS NAS FOLHAS MÓVEIS - TIPOLOGIAS PIVOTANTES**

SEALS AND END-CAPS APPLICATION ON MOBILE SASHES - **PIVOTING TYPOLOGIES**

APPLICATION DE JOINTS ET D'EMBOUTS SUR LES CADRES OUVRANTS - **TYPOLOGIES PIVOTANTES**

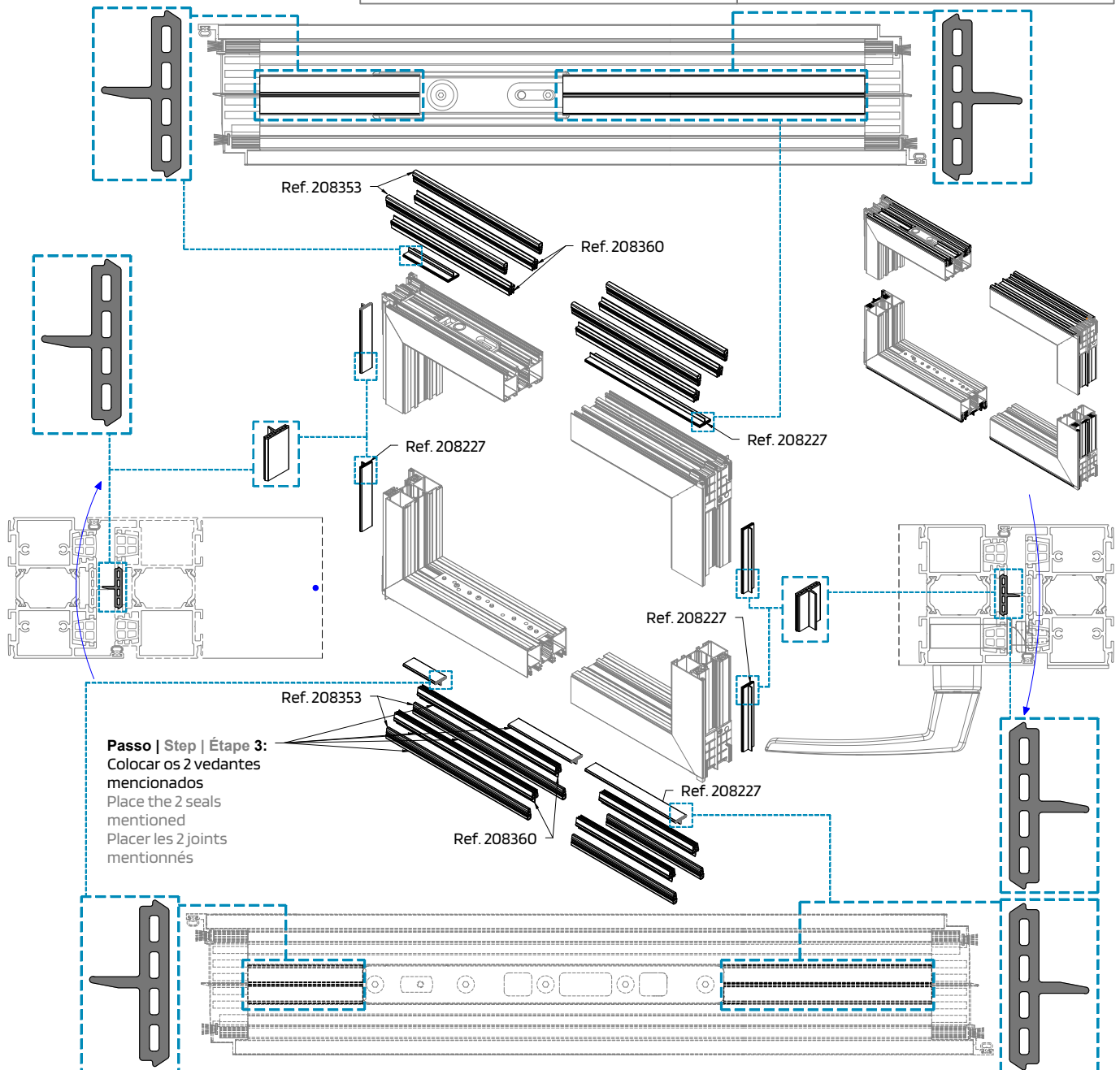
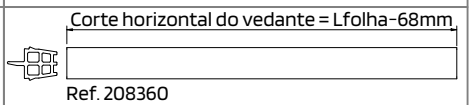
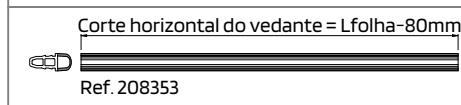
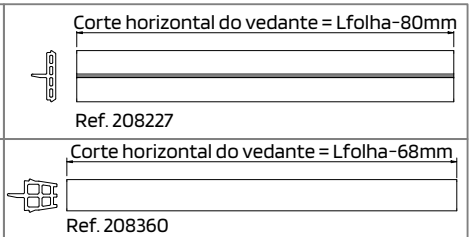
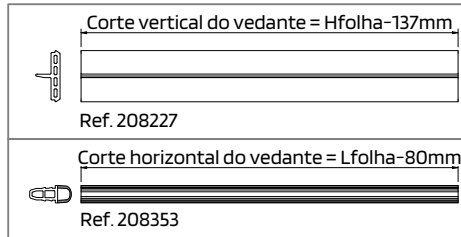
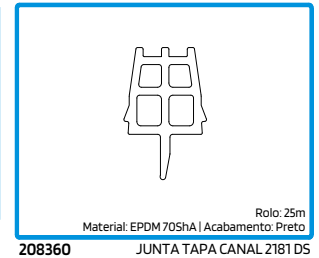
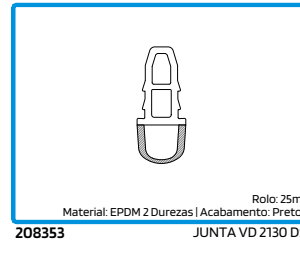
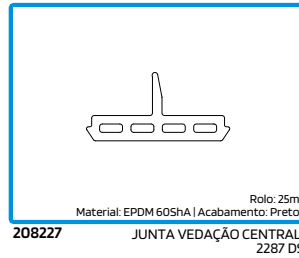
**Aros móveis - TIPOLOGIAS PIVOTANTES**

Mobile frames - PIVOTING TYPOLOGIES | Cadres ouvrants - TYPOLOGIES PIVOTANTES

Nas tipologias pivotantes é importante colocar a Junta de vedação central 2287 DS (208227) na posição correta.

For pivoting typologies, it is important to place the 2287 DS central seal (208227) in the correct position.

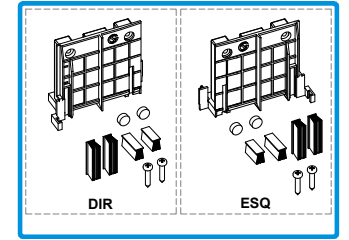
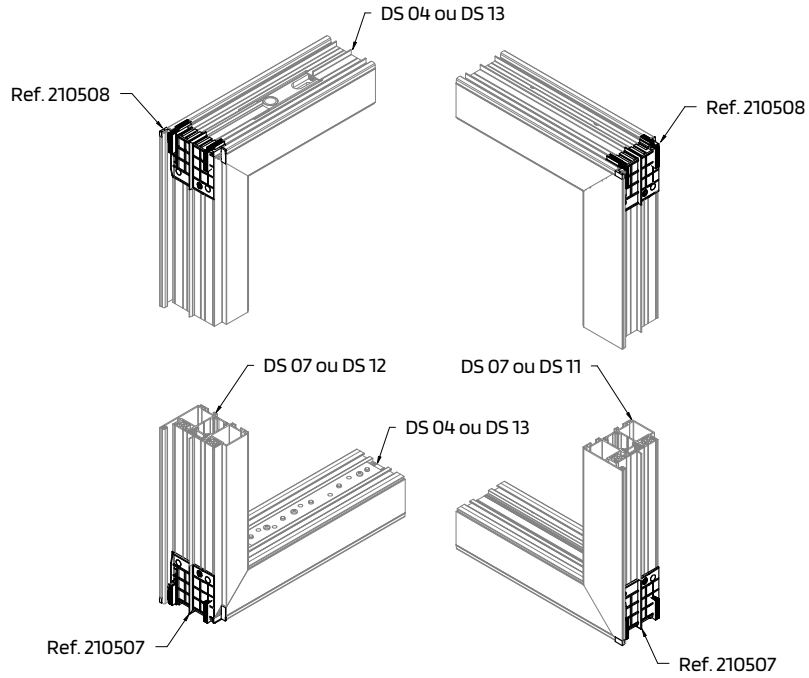
Sur les modèles pivotants, il est important de placer le joint d'étanchéité central 2287 DS (208227) dans la position correcte.



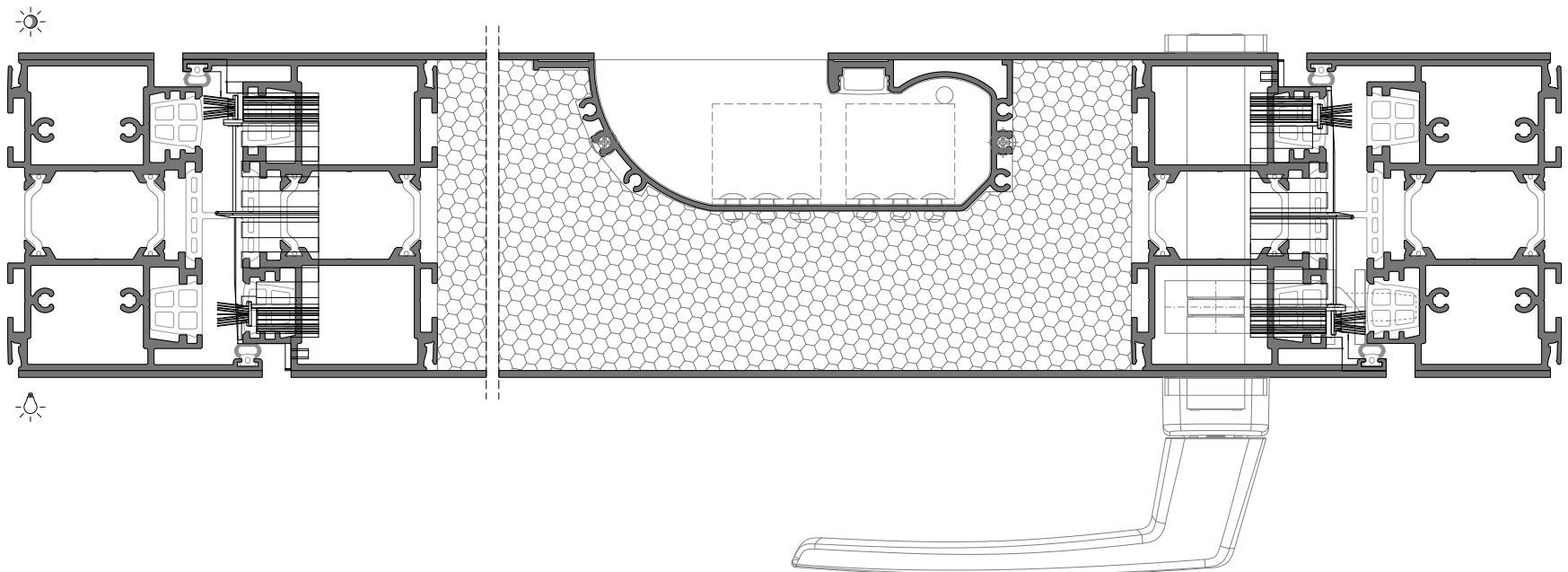
**Passo | Step | Étape 3:**  
Colocar os 2 vedantes mencionados  
Place the 2 seals mentioned  
Placer les 2 joints mentionnés

**APLICAÇÃO DOS TOPOS LATERAIS - NO ARO MÓVEL**  
 LATERAL END-CAPS APPLICATION - MOBILE FRAME  
 ASSEMBLAGE D'EMBOUITS LATÉRAUX - CADRE OUVRANT

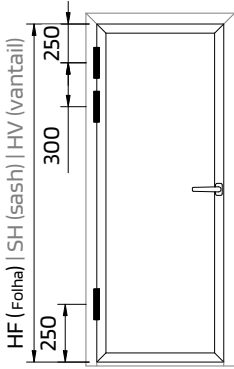
Para tipologias pivotantes  
 For pivoting typologies  
 Pour typologies pivotantes



210507 TOPO SUP/INF LATERAL DS DIR  
 210508 TOPO SUP/INF LATERAL DS ESQ



**MONTAGEM DA DOBRADIÇA OCULTA**  
CONCEALED HING ASSEMBLY  
ASSEMBLAGE DE LA PAUMELLE CACHÉE



HF > 2200 mm: 3 dobradiças  
HF > 2500 mm: 4 dobradiças  
Com fechadura: ≥ 3 dobradiças  
Peso máximo:  
- 100 Kg: 2 dobradiças  
- 140 Kg: 3 dobradiças

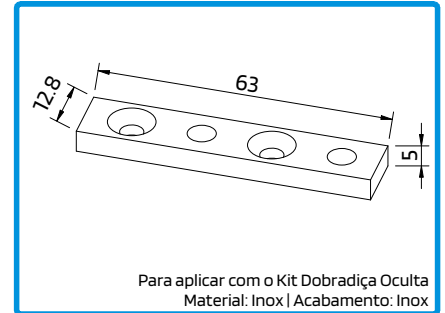
SH > 2200 mm: 3 hinges  
SH > 2500 mm: 4 hinges  
With lock: ≥ 3 hinges  
Maximum weight:  
- 100 Kg: 2 hinges  
- 140 Kg: 3 hinges

HV > 2200 mm: 3 paumelles  
HV > 2500 mm: 4 paumelles  
With lock: ≥ paumelles  
Poids maximal:  
- 100 Kg: 2 paumelles  
- 140 Kg: 3 paumelles



**202109 DOBRADIÇA OCULTA SOLID**

Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata



**215504 PEÇA FIXAÇÃO DOB. OC. SOLID**

Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

**Tabela de carga máxima por folha**  
Maximum load table per sash  
Tableau de charge maximale par vantail

ALTURA/foiha (m) HEIGHT/sash (m)   HAUTEUR/vantail (m)	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
3000													
2950													
2900													
2850													
2800													
2750													-4%
2700													-7%
2650												-4%	-11%
2600												-7%	-14%
2550										-4%	-11%	-18%	
2500										-8%	-15%	-21%	
2450									-4%	-12%	-19%	-25%	
2400									-8%	-15%	-22%	-29%	
2350								-4%	-12%	-19%	-26%	-32%	
2300								-8%	-16%	-23%	-30%	-36%	
2250							-4%	-13%	-20%	-27%	-33%	-39%	
2200							-9%	-17%	-24%	-31%	-37%	-43%	
2150						-5%	-13%	-21%	-28%	-35%	-41%	-46%	
2100						-9%	-17%	-25%	-32%	-38%	-44%	-50%	
2050					-5%	-14%	-22%	-29%	-36%	-42%	-48%	-54%	
2000					-10%	-18%	-26%	-33%	-40%	-46%	-52%	-57%	
1950				-5%	-14%	-23%	-30%	-38%	-44%	-50%	-56%	-61%	
1900				-10%	-19%	-27%	-35%	-42%	-48%	-54%	-59%	-64%	
1850			-5%	-15%	-24%	-32%	-39%	-46%	-52%	-58%	-63%	-68%	
1800			-11%	-20%	-29%	-36%	-43%	-50%	-56%	-62%	-67%	-71%	
	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400

LARGURA/foiha (mm)  
WIDTH/sash (mm) | LARGEUR/vantail (mm)

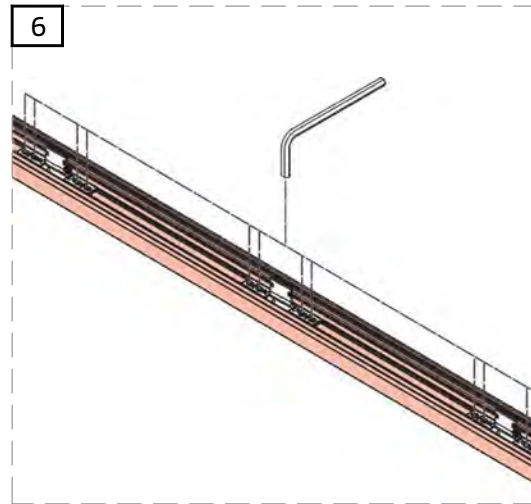
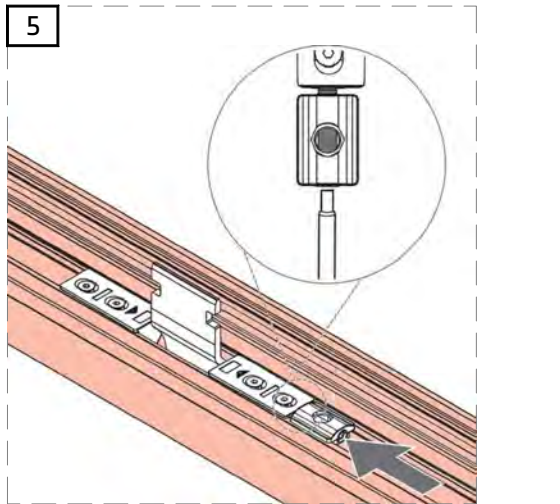
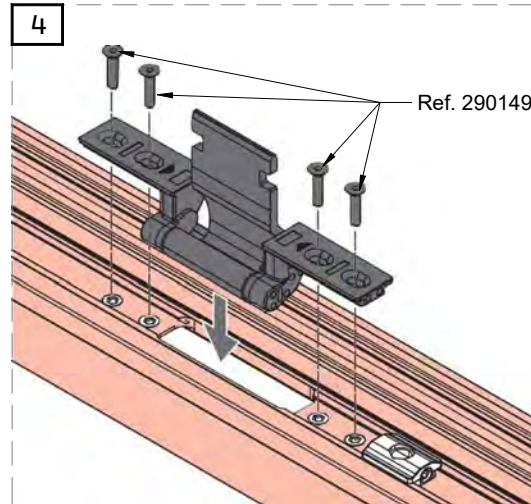
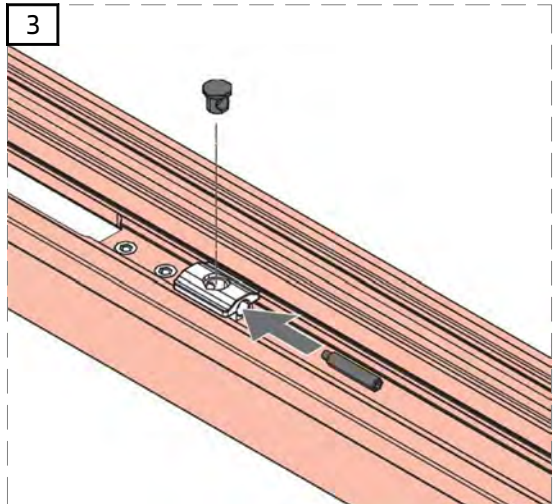
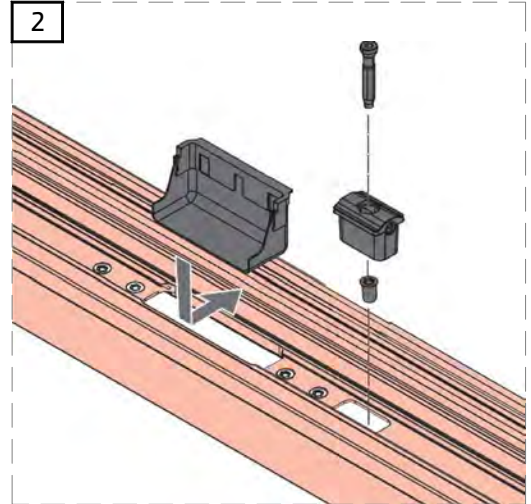
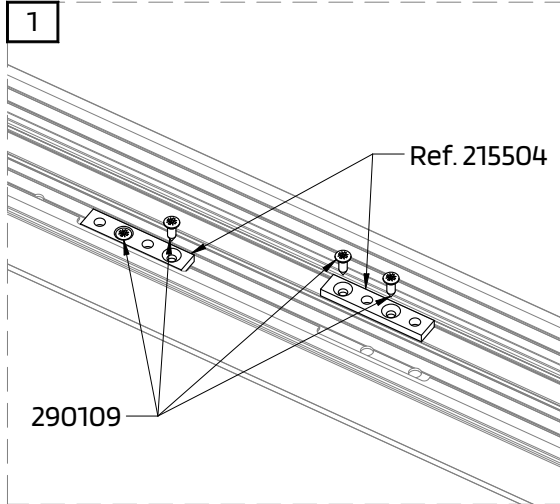
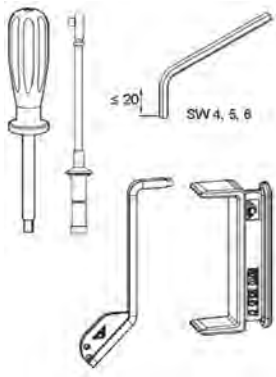
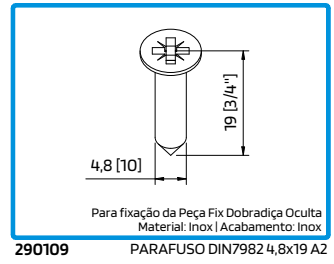
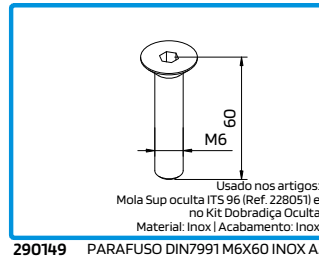
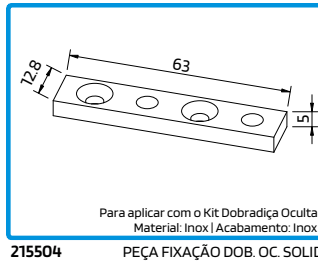
**-%** Dimensão de dedução  
Deduction dimension  
Taille de la déduction

**□** 2 dobradiças  
2 hinges  
2 paumelles

**■** 3 dobradiças  
3 hinges  
3 paumelles

**■** 4 dobradiças  
4 hinges  
4 paumelles

**MONTAGEM DA DOBRADIÇA OCULTA - APLICAÇÃO NO ARO FIXO**  
**CONCEALED HING ASSEMBLY - APPLICATION ON FIXED FRAME**  
**ASSEMBLAGE DE LA PAUMELLE CACHÉE - APPLICATION SUR LE CADRE FIXE**



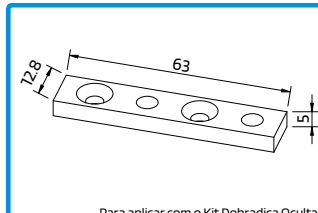
**MONTAGEM DA DOBRADIÇA OCULTA - APLICAÇÃO NO ARO MÓVEL**  
CONCEALED HING ASSEMBLY - APPLICATION ON MOBILE FRAME  
ASSEMBLAGE DE LA PAUMELLE CACHÉE - APPLICATION SUR LE CADRE OUVRANT



Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

202109

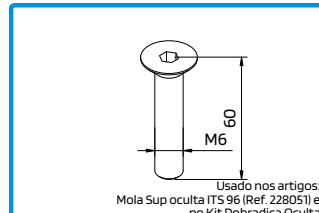
DOBRADIÇA OCULTA SOLID



Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

215504

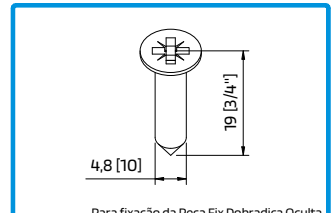
PEÇA FIXAÇÃO DOB. OC. SOLID



Usado nos artigos:  
Mola Sup oculta ITS 96 (Ref. 22805) e  
no Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

290149

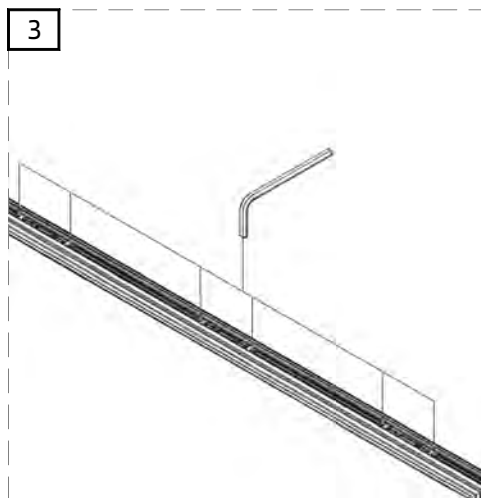
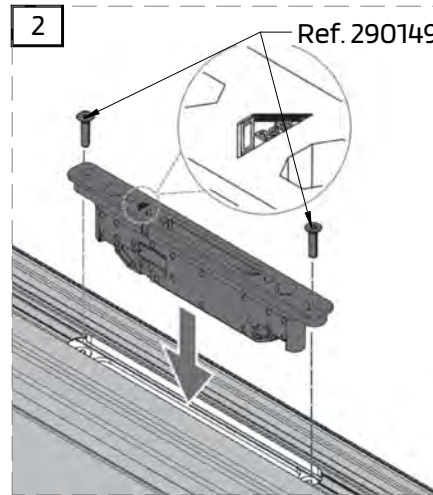
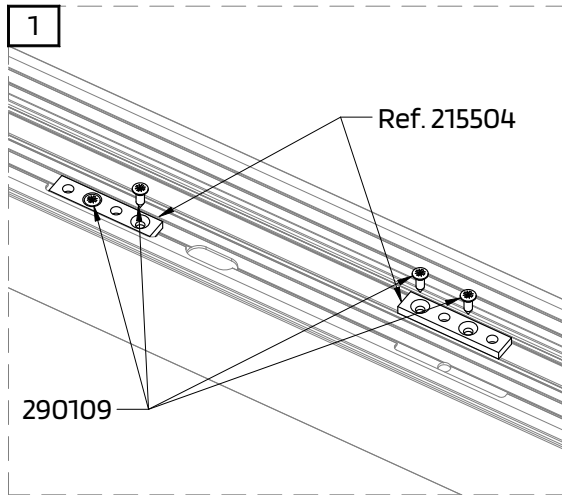
PARAFUSO DIN7991 M6X60 INOX A2



Para fixação da Peça Fix Dobradiça Oculta  
Material: Inox | Acabamento: Inox

290109

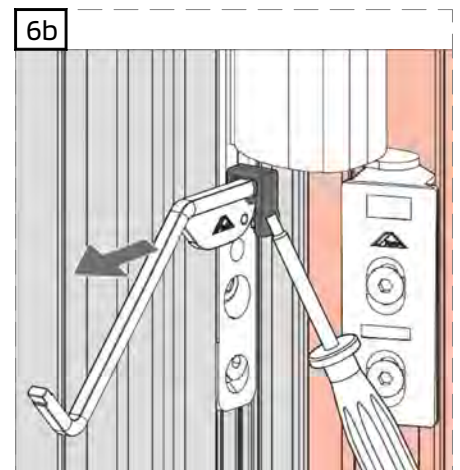
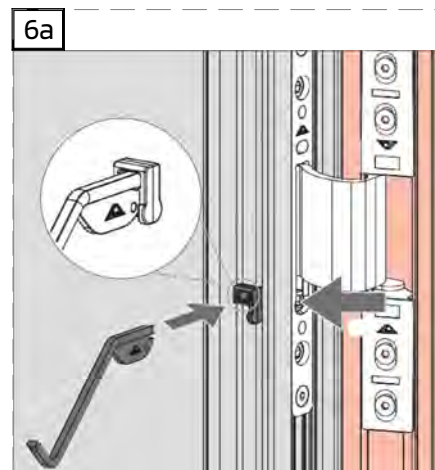
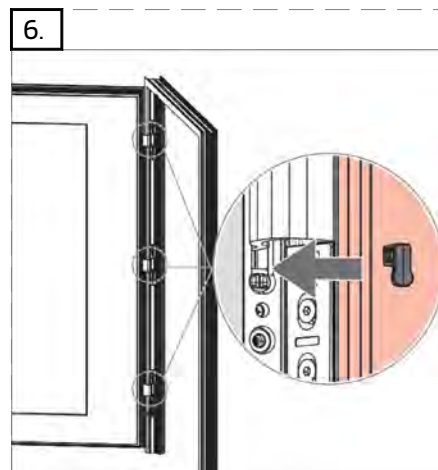
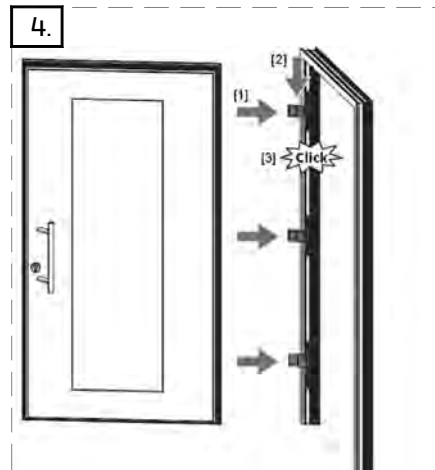
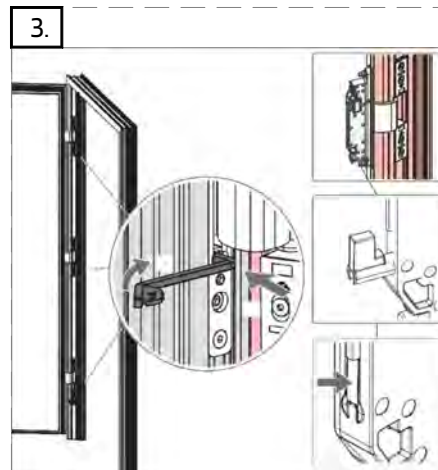
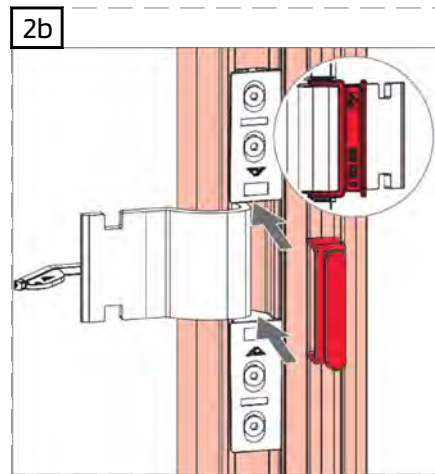
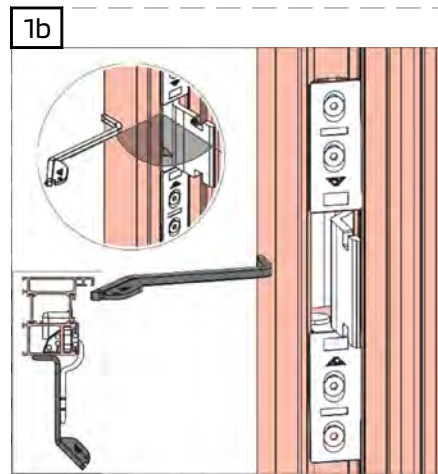
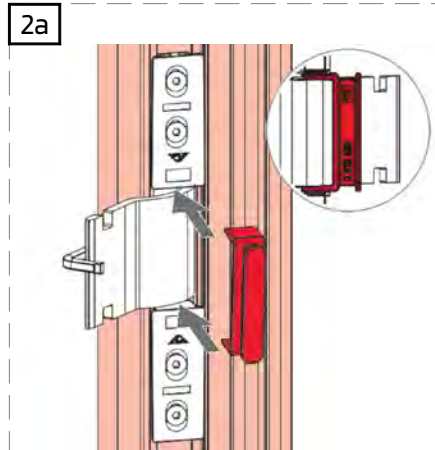
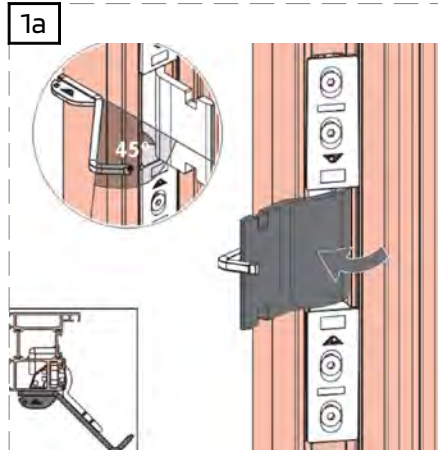
PARAFUSO DIN7982 4,8x19 A2



## MONTAGEM DA DOBRADIÇA OCULTA - AFINAÇÕES DA DOBRADIÇA

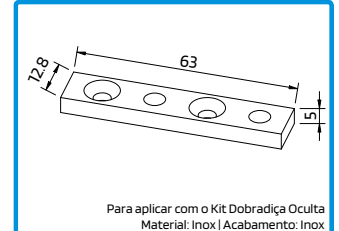
CONCEALED HING ASSEMBLY - HINGE TUNINGS

ASSEMBLAGE DE LA PAUMELLE CACHÉE - RÉGLAGES DE LA PAUMELLE



Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

202109 DOBRADIÇA OCULTA SOLID



Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

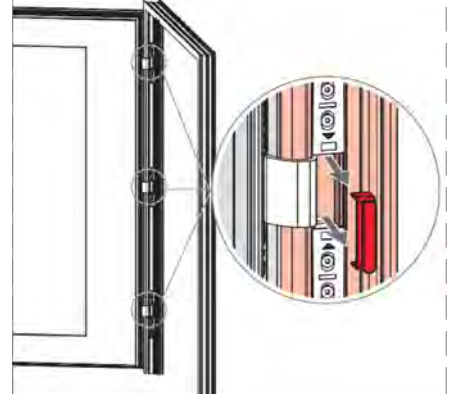
215504 PEÇA FIXAÇÃO DOB. OC. SOLID

### NOTA | NOTE | NOTE

Usar um batente de porta ou um limitador de abertura para evitar a colisão entre a folha e o aro (ângulo de abertura depende do perfil).

Use a door stopper or an opening limiter to prevent the sash from colliding with the frame (opening angle depends on the profile).

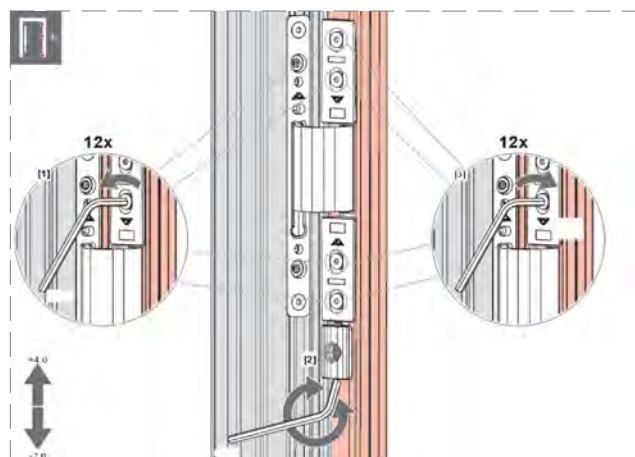
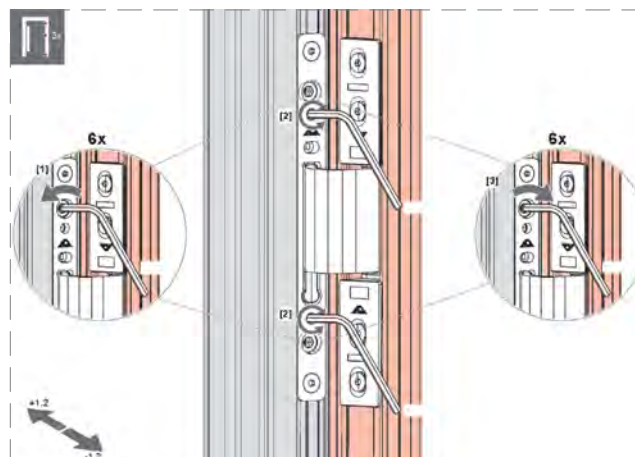
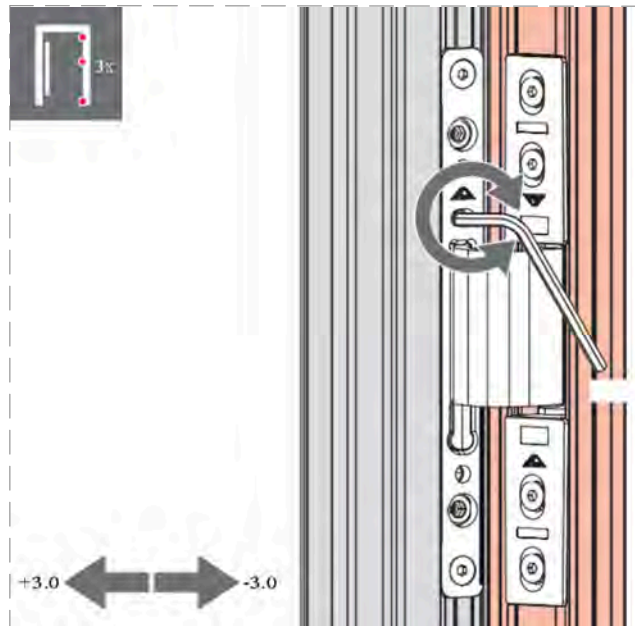
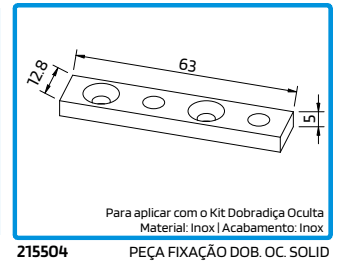
Utilisez un arrêt de porte ou un limiteur d'ouverture pour éviter que le vantail ne heurte le cadre (l'angle d'ouverture dépend du profilé).



**MONTAGEM DA DOBRADIÇA OCULTA - AJUSTES**

CONCEALED HING ASSEMBLY - ADJUSTMENTS

ASSEMBLAGE DE LA PAUMELLE CACHÉE - AJUSTEMENTS



**MONTAGEM DA DOBRADIÇA OCULTA - DESMONTAGEM**

CONCEALED HING ASSEMBLY - DISMANTLING

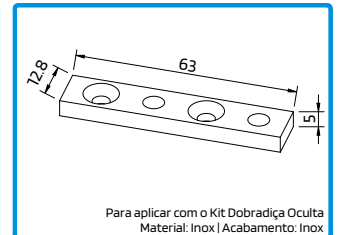
ASSEMBLAGE DE LA PAUMELLE CACHÉE - DÉMONTAGE



Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

202109

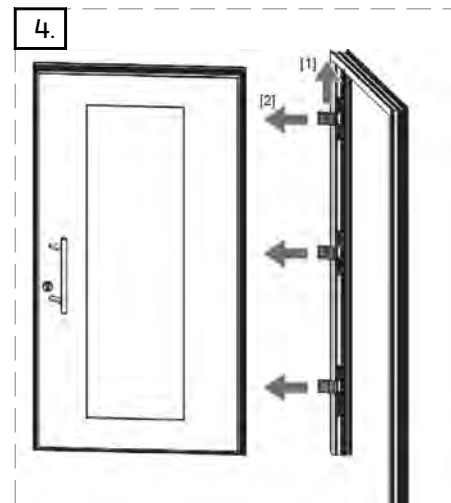
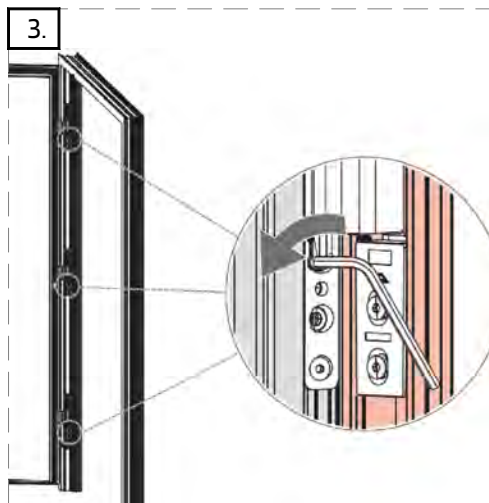
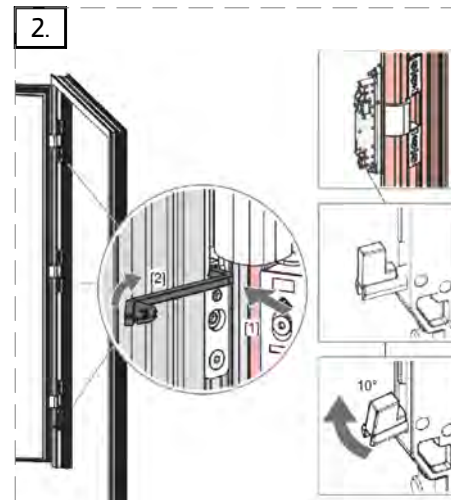
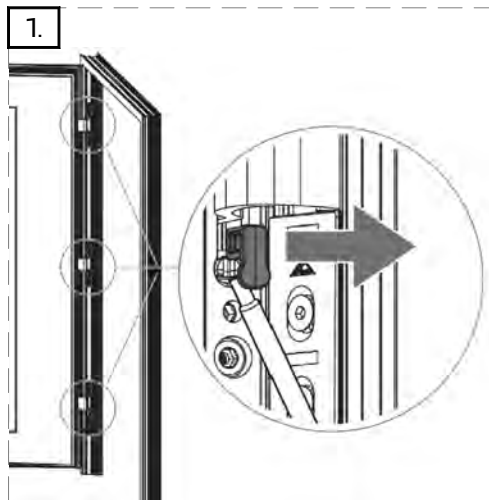
DOBRADIÇA OCULTA SOLID



Para aplicar com o Kit Dobradiça Oculta  
Material: Inox | Acabamento: Inox

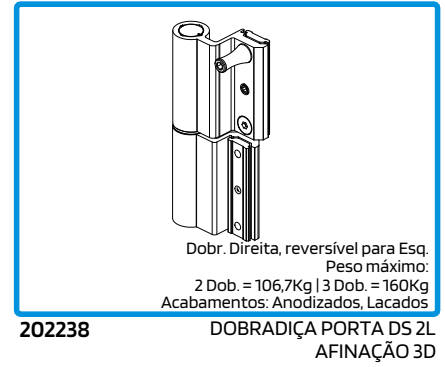
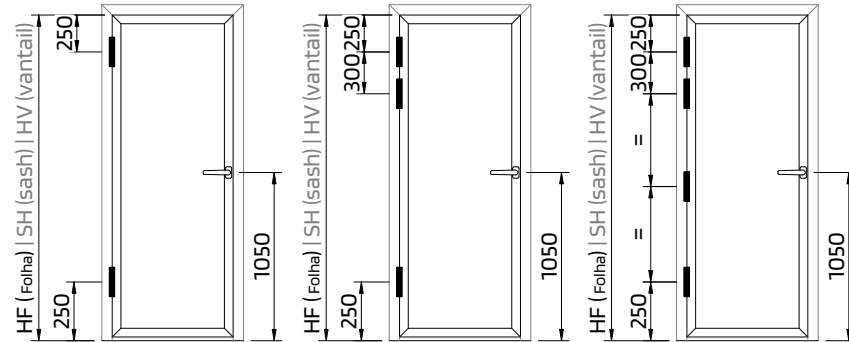
215504

PEÇA FIXAÇÃO DOB. OC. SOLID



**APLICAÇÃO DA DOBRADIÇA PORTA DS 2L COM REGULAÇÃO 3D**  
DOOR HINGE DS 2L WITH 3D TUNING APPLICATION  
APPLICATION DE LA PAUMELLE POUR PORTE DS 2L AVEC RÉGLAGE 3D

**Dobradiça para portas até 160 Kg - Dobradiças Classe 7**  
Hinge for doors up to 160kg - Hinges Class 7  
Paumelles pour portes jusqu'à 160kg - Paumelles de classe 7



**Nº de dobradiças para portas até 106,7 Kg**  
No. of hinges for doors up to 106.7 kg  
No. de charnières pour les portes jusqu'à 106,7 kg

2600													
2500													
2400													
2300													
2200													
2100													
2000													
	600	800	900	1000	1050	1100	1150	1200	1250	1300	1400		

- 2 dobradiças  
2 hinges  
2 paumelles
- 3 dobradiças  
3 hinges  
3 paumelles
- 4 dobradiças  
4 hinges  
4 paumelles

**Nº de dobradiças para portas de 106,7 Kg até 160 Kg**  
No. of hinges for doors from 106.7 Kg to 160 Kg  
No. de paumelles pour portes de 106,7 Kg à 160 Kg

2600													
2500													
2400													
2300													
2200													
2100													
2000													
	600	800	900	1000	1050	1100	1150	1200	1250	1300	1400		

- 3 dobradiças  
3 hinges  
3 paumelles
- 4 dobradiças  
4 hinges  
4 paumelles
- 5 dobradiças  
5 hinges  
5 paumelles

**Valores com sobrecarga**  
Values with overload  
Valeurs avec surcharge

		<b>Portas para uso residencial</b> Doors for residential use Portes à usage résidentiel	120 Kg
		<b>Portas para uso público</b> Doors for public use Portes à usage public	110 Kg
		<b>Portas para uso público com mola</b> Doors for public use with door closer Portes pour l'usage public avec ferme-porte	90 Kg
		<b>Portas para uso público com mola aérea</b> Doors for public use with overhead spring Portes pour l'usage public avec ressorts	80 Kg

HF ≤ 2200mm: 2 dobradiças  
2200mm < HF ≤ 2500mm: 3 dobradiças  
HF > 2500mm: 4 dobradiças

HF ≤ 2200mm: 2 hinges  
2200mm < HF ≤ 2500mm: 3 hinges  
HF > 2500mm: 4 hinges

HF ≤ 2200mm : 2 paumelles  
2200mm < HF ≤ 2500mm : 3 paumelles  
HF > 2500mm : 4 paumelles

Peso/folha < 106,7Kg: 2 dobradiças  
106,7Kg < Peso/folha < 160Kg: 3 dobradiças

Weight/sash < 106,7Kg: 2 hinges  
106,7Kg < Weight/sash < 160Kg: 3 hinges

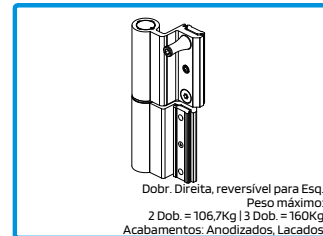
Poids/vantail < 106,7Kg: 2 paumelles  
106,7Kg < Poids/vantail < 160Kg: 3 paumelles

**Nota:**  
A norma EN 1935:2009 sugere que uma dobradiça seja carregada com 2/3 do peso declarado no certificado CE. , por isso recomenda o uso de 3 dobradiças por folha.  
**Note:**  
The EN 1935:2009 standard suggests that a hinge should be loaded with 2/3 of the weight stated on the CE certificate. This is why it recommends using 3 hinges per sash.  
**Note:**  
La norme EN 1935:2009 suggère qu'une paumelle doit être chargée à 2/3 du poids indiqué sur le certificat CE. C'est pourquoi elle recommande d'utiliser 3 paumelles par vantail.

## APLICAÇÃO DA DOBRADIÇA PORTA DS 2L COM REGULAÇÃO 3D

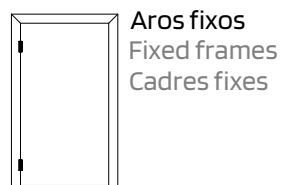
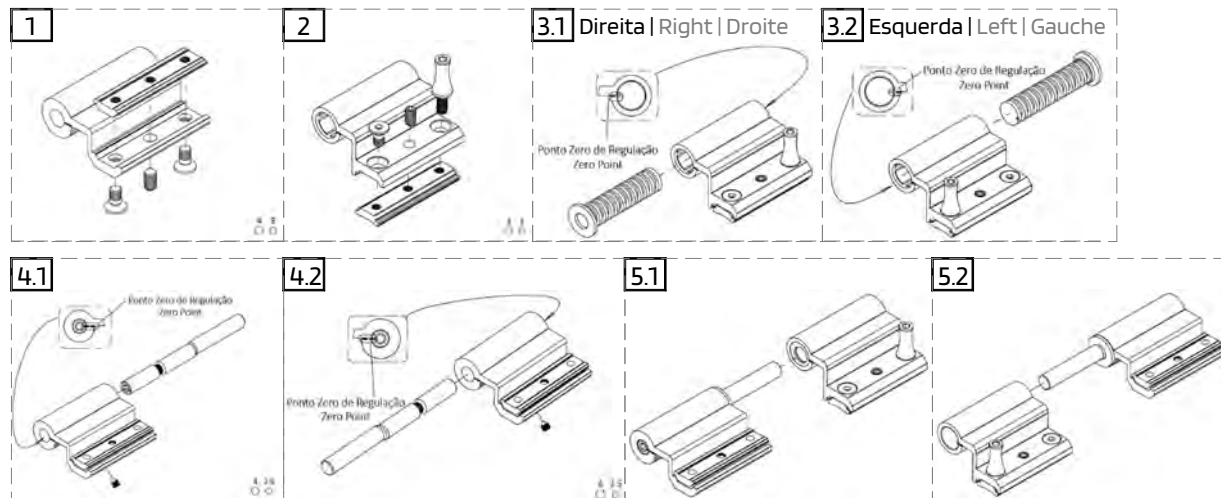
DOOR HINGE DS 2L WITH 3D TUNING APPLICATION

APPLICATION DE LA PAUMELLE POUR PORTE DS 2L AVEC RÉGLAGE 3D

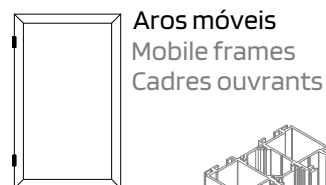
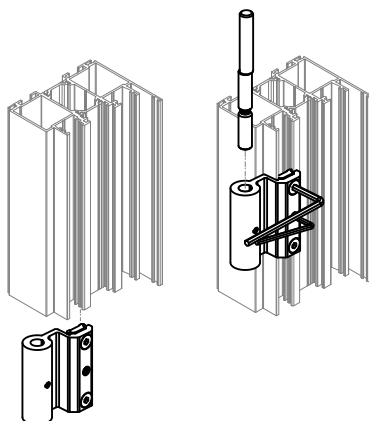


202238

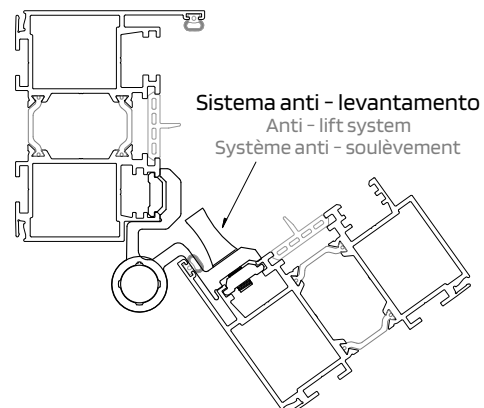
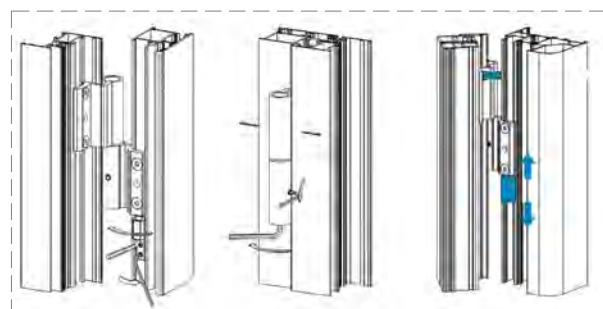
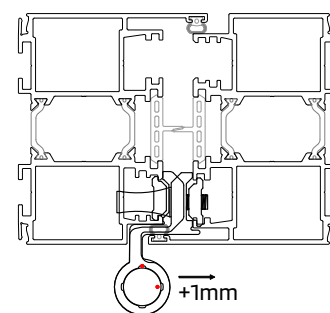
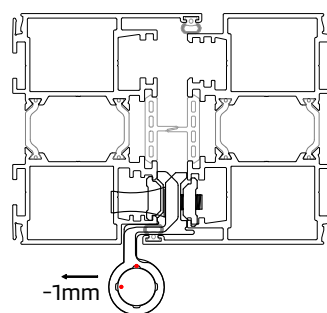
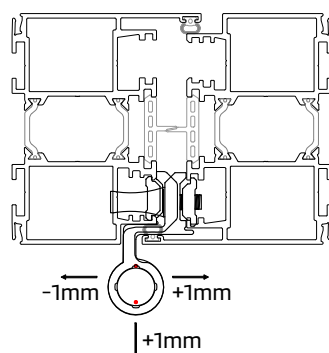
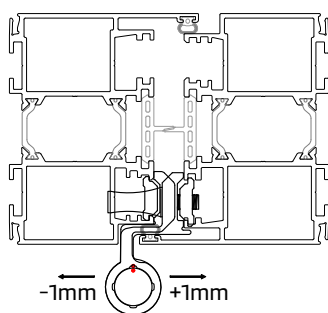
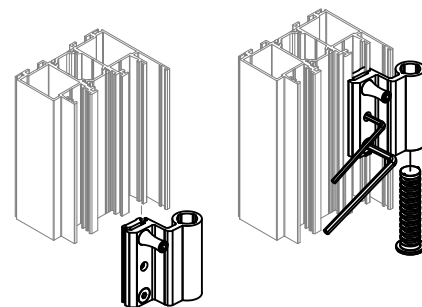
DOBRADIÇA PORTA DS 2L  
AFINAÇÃO 3D



DS 07



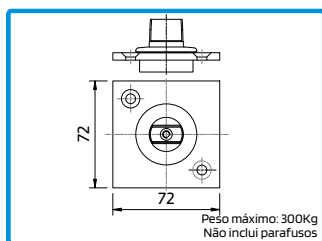
DS 07 ou DS 11



## MONTAGEM DA FERRAGEM PIVOT 300KG - NO ARO FIXO

300KG PIVOTING HARDWARE ASSEMBLY - FIXED FRAME

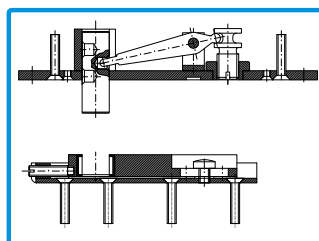
ASSAMBLAGE DE FERRURE PIVOT 300KG - CADRE DORMANT



227114

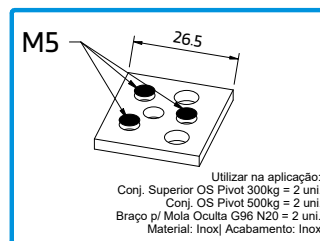
PIVOT DE CHÃO 7471 AX

Peso máximo: 300Kg  
Não inclui parafusos



212331

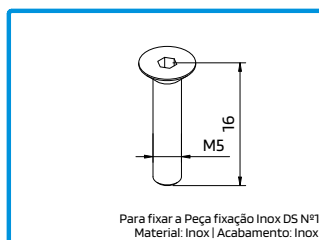
CONJ. SUPERIOR OS PIVOT 300KG



215041

PEÇA FIXAÇÃO INOX DS Nº1

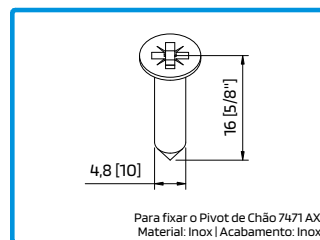
Utilizar na aplicação:  
Conj. Superior OS Pivot 300kg = 2 uni.  
Conj. OS Pivot 300kg = 2 uni.  
Braço p/ Mola Oculta G96 N20 = 2 uni.  
Material: Inox | Acabamento: Inox



290480

PARAFUSO CX UMB. M5X16 INOX

Para fixar a Peça fixação Inox DS Nº1  
Material: Inox | Acabamento: Inox

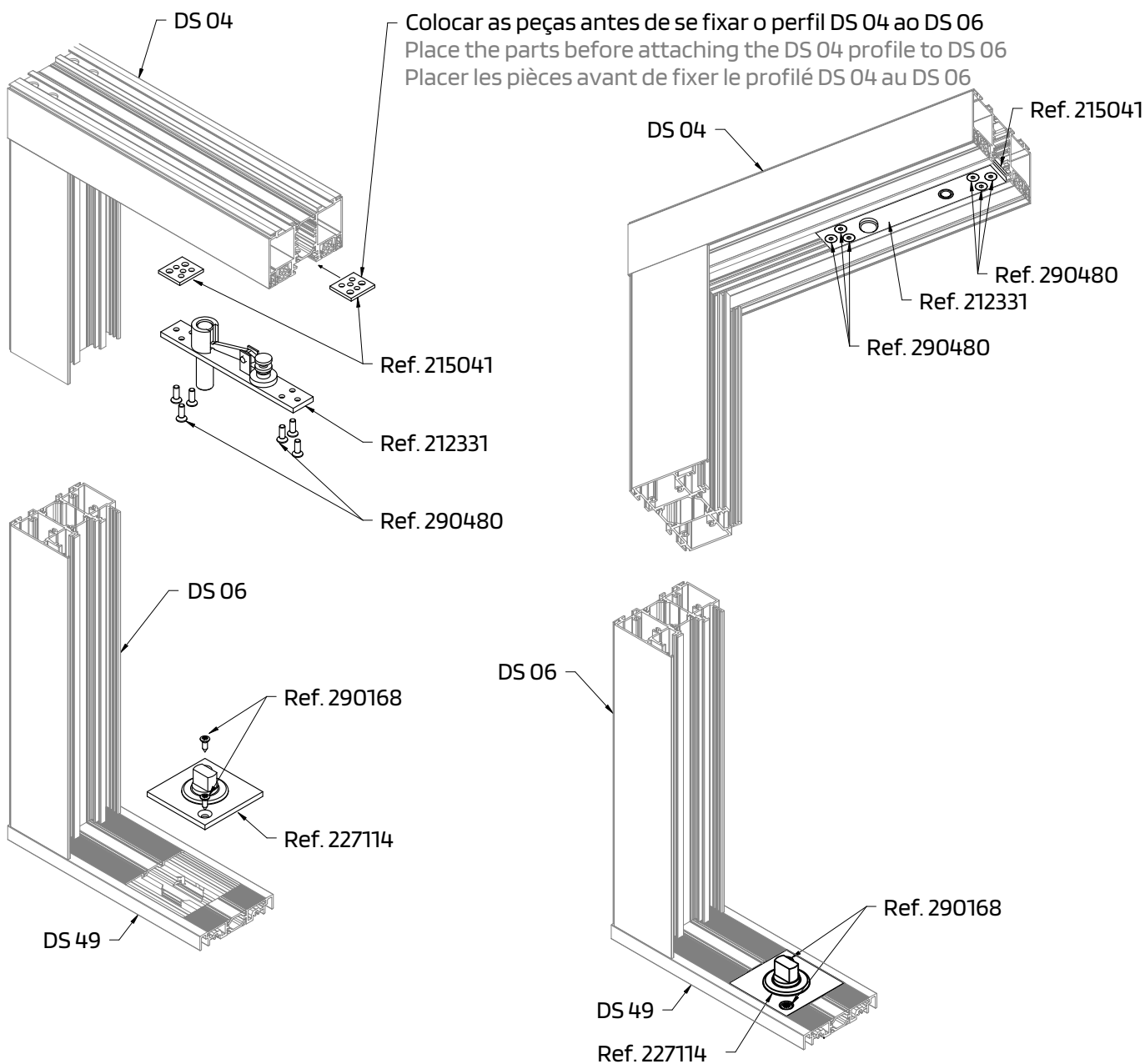


290168

PARAFUSO CX 5/8X10 INOX A2

Para fixar o Pivot de Chão 7471 AX  
Material: Inox | Acabamento: Inox

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre





## MOLA DE PAVIMENTO M750

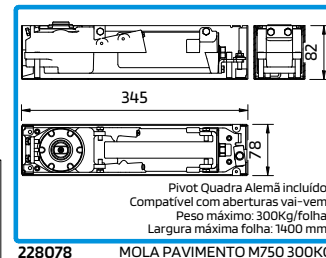
FLOOR SPRING M750

PIVOT À FREIN M750

### IMPORTANTE | IMPORTANT | IMPORTANT:

Não manipular as válvulas sem ler o manual de instruções de montagem ou esta informação.

Do not operate the valves without reading the assembly instructions or this information  
Ne pas manipuler les valves sans avoir lu les instructions d'assemblage ou ces informations.



228078 MOLA PAVIMENTO M750 300KG

## CARACTERÍSTICAS

### FEATURES | CARACTÉRISTIQUES

- Peso máximo: 300Kg**  
 Maximum weight: 300Kg  
 Poids maximal: 300Kg
- Direção de abertura da porta: Universal (aberturas esquerda e direita)**  
 Door opening direction: Universal (left and right openings)  
 Direction d'ouverture de la porte: Universel (ouvertures gauche et droite)
- Potência regulável EN 3-6 por meio de regulador contínuo**  
 Adjustable power EN 3-6 by means of stepless governor  
 Puissance réglable EN 3-6 au moyen d'un régulateur progressif
- Duas válvulas termostáticas independentes para uma regulação precisa da velocidade de fecho geral, do fecho final ou do amortecimento final.**  
 Two independent thermostatic valves for precise adjustment of general closing speed, final latch or final damping.  
 Deux vannes thermostatiques indépendantes pour un réglage précis de la vitesse de fermeture générale, du verrouillage final ou de l'amortissement final
- Abertura com retenção a 90°, 105° ou sem retenção**  
 Hold open at 90°, 105° or non hold open  
 Maintien en position ouverte à 90°, 105° ou sans maintien en position ouverte
- Ação de fecho retardado (opcional) entre aprox. 175° e 80° controlada por válvula hidráulica. Com esta opção, o fecho final não é efectuado**  
 Delayed closing action (optional) between approx. 175° and 80° controlled by hydraulic valve. With this option final latch is not performed  
 Action de fermeture retardée (en option) entre environ 175° et 80° contrôlée par une valve hydraulique. Avec cette option, le verrouillage final n'est pas effectué
- Eixo intercambiável (Italiano, Francês e Alemão) de 0 a +30 mm**  
 Interchangeable spindle (Italian, French and German) from 0 to +30 mm  
 Axe interchangeable de (Italien, français et Allemand) 0 à +30 mm
- Válvula de alívio de pressão para proteger a unidade contra abusos**  
 Overpressure relief valve to protect unit against abuse  
 Soupape de surpression pour protéger l'unité contre les abus
- Grande margem de regulação dentro da caixa para cimento, para resolver eventuais problemas de alinhamento no local sem desmontar a porta**  
 Wide margin of adjustment inside the cement box, to solve any alignment problems on site without dismantling the door  
 Large espace de réglage à l'intérieur de la boîte pour ciment, pour résoudre tout problème d'alignement sur place sans démonter la porte.

Força mínima  
Minimum force  
Force minimale

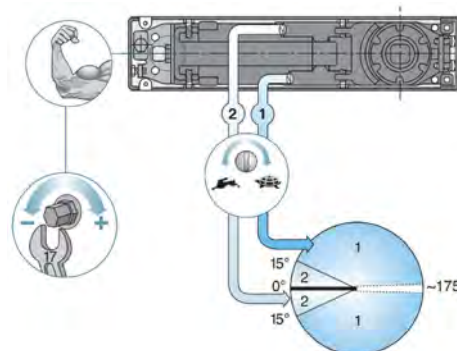
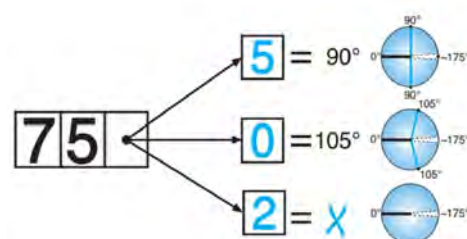
**3** = 24 Nm

Força máxima  
Maximum force  
Force maximale

**6** = 60 Nm

min. 850 x 2300 Kg 300

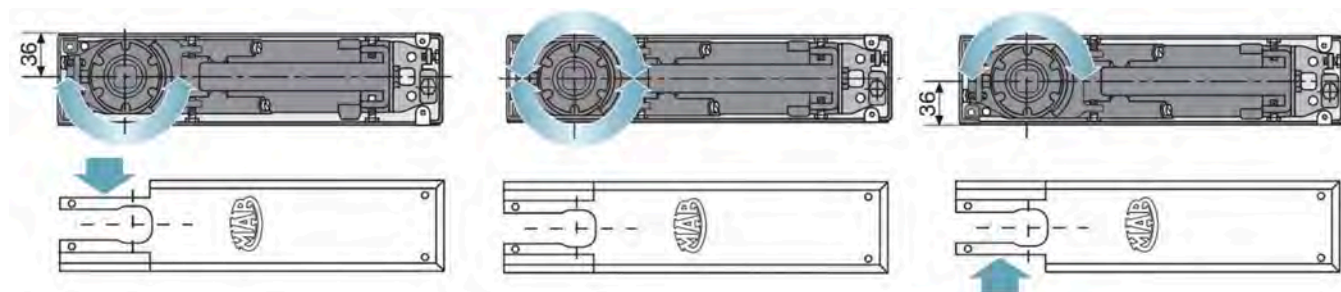
max. 1400 x 2500 Kg 300



Direita | Right | Droite

Dupla ação | Double action | Double action

Esquerda | Left | Gauche



## ACABAMENTOS

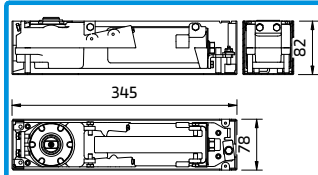
### FINISHING | FINITIONS

- Placa de cobertura em aço polido, acetinado ou latão polido**  
 Coverplate in polishes stainless steel, satin or polished brass  
 Plaque de recouvrement en acier inoxydable poli, en laiton satiné ou poli
- Corpo em ferro fundido | Caixa para cimento em aço zincado a quente**  
 Cast iron body | Cement box in hot zinc plated steel  
 Corps en fonte | Boîte pour ciment en acier zingué à chaud

**MOLA DE PAVIMENTO M750**

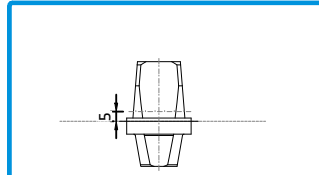
FLOOR SPRING M750

PIVOT À FREIN M750

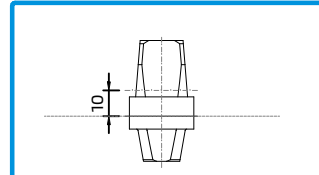


Pivot Quadra Alemã incluído  
Compatível com aberturas vai-vem  
Peso máximo: 300kg/folha  
Largura máxima folha: 1400 mm

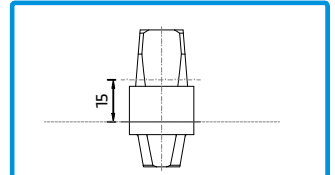
**228078** MOLA PAVIMENTO M750 300KG



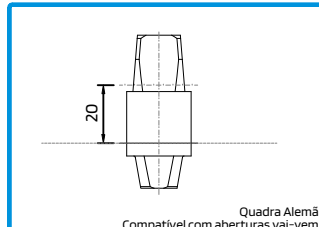
Quadra Alemã  
Compatível com aberturas vai-vem  
**220021** EIXO SUBSTITUIÇÃO ALONGADO M750 5MM



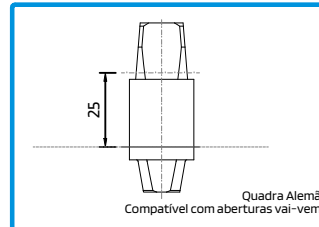
Quadra Alemã  
Compatível com aberturas vai-vem  
**220022** EIXO SUBSTITUIÇÃO ALONGADO M750 10MM



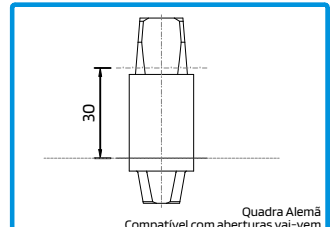
Quadra Alemã  
Compatível com aberturas vai-vem  
**220023** EIXO SUBSTITUIÇÃO ALONGADO M750 15MM



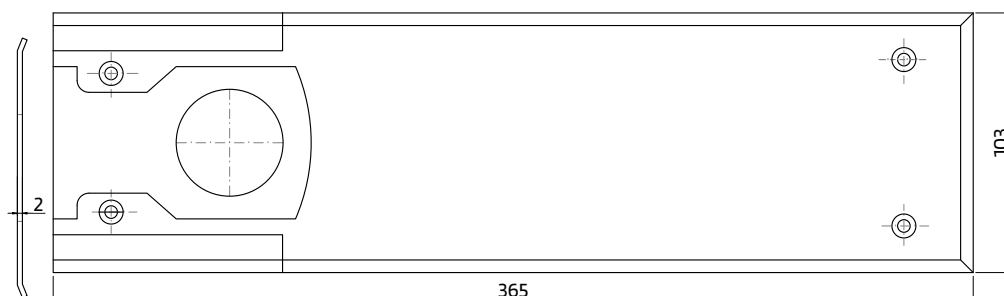
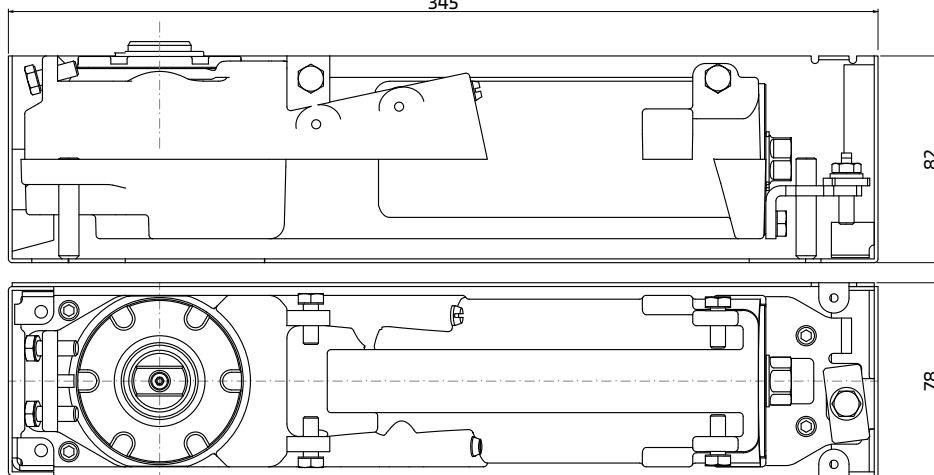
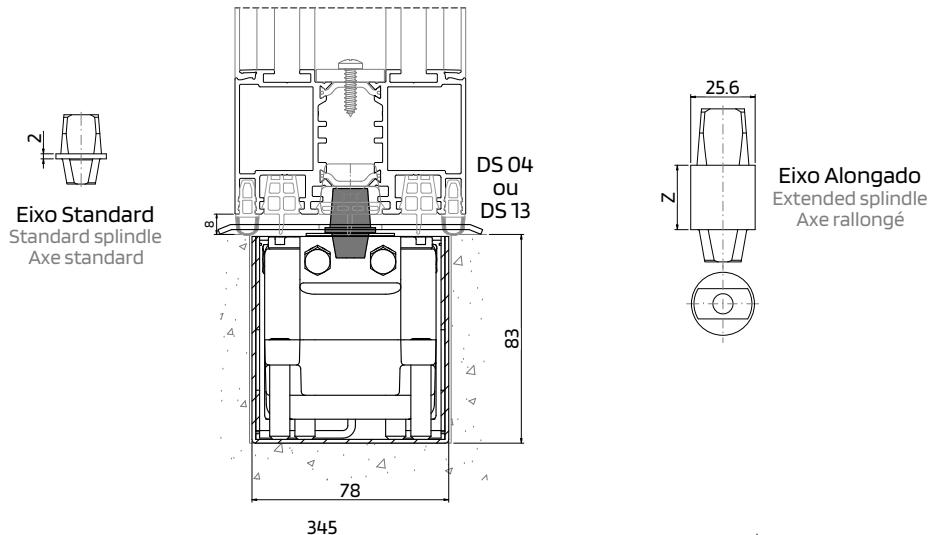
Quadra Alemã  
Compatível com aberturas vai-vem  
**220024** EIXO SUBSTITUIÇÃO ALONGADO M750 20MM



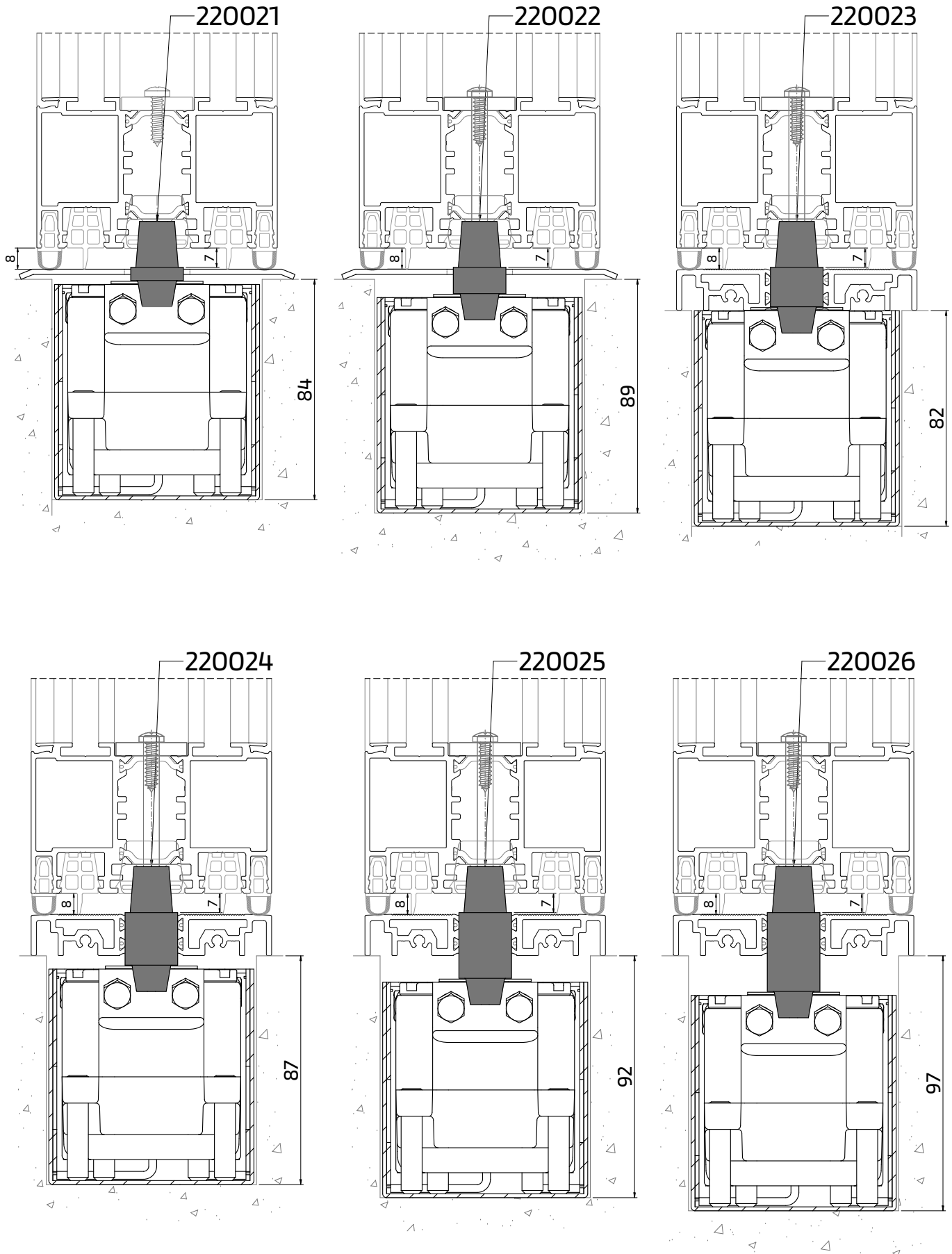
Quadra Alemã  
Compatível com aberturas vai-vem  
**220025** EIXO SUBSTITUIÇÃO ALONGADO M750 25MM



Quadra Alemã  
Compatível com aberturas vai-vem  
**220026** EIXO SUBSTITUIÇÃO ALONGADO M750 30MM



**MOLA DE PAVIMENTO M750**  
FLOOR SPRING M750  
PIVOT À FREIN M750



## MOLA DE PAVIMENTO M750

FLOOR SPRING M750

PIVOT À FREIN M750

### CARACTERÍSTICAS

FEATURES | CARACTÉRISTIQUES

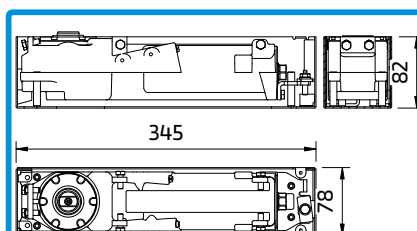
- **Não é tóxico**  
Non toxic  
Non toxique
- **Autonivelante**  
Self levelling  
Autonivelant
- **Testado a temperaturas extremas: -30 °C até + 80 °C**  
Tested to extreme temperatures: -30 °C at +80 °C  
Testé à des températures extrêmes: -30 °C at +80 °C
- **Prazo de validade ilimitado**  
Unlimited shelf life  
Durée de conservation illimitée
- **Após a aplicação, não altera as suas características ao longo do tempo**  
Upon applying, does not change its characteristics over time  
Une fois appliqué, il conserve ses propriétés au fil du temps
- **Permite a inspeção, acessibilidade e ajustes da mola de pavimento por tempo indeterminado**  
Allows floor spring inspection, accessibility and adjustments indefinitely  
Permet l'inspection, l'accès et le réglage du pivot à frein à tout moment
- **É possível adicionar mais gel de vedação a qualquer momento**  
Additional quantity of sealing compound can be added at any time  
Il est possible d'ajouter de la gel d'étanchéité à tout moment



Compatível com a mola de pavimento M750  
Caixa c/ 2 embalagens de 500 cc (Total = 1000 cc)

208706

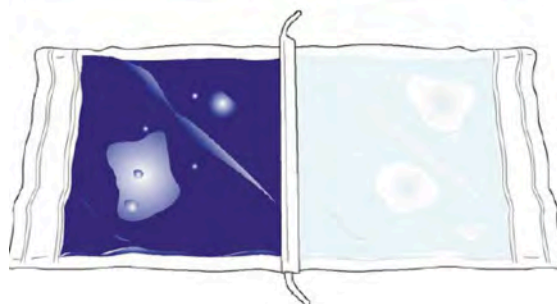
GEL DE VEDAÇÃO P/ MOLA DE PAVIMENTO



Pivot Quadra Alemã incluído  
Compatível com aberturas vai-vem  
Peso máximo: 300Kg/folha  
Largura máxima folha: 1400 mm

228078

MOLA PAVIMENTO M750 300KG



## MOLA DE PAVIMENTO M750

FLOOR SPRING M750

PIVOT À FREIN M750

### APLICAÇÃO DO GEL DE VEDAÇÃO PARA MOLA DE PAVIMENTO

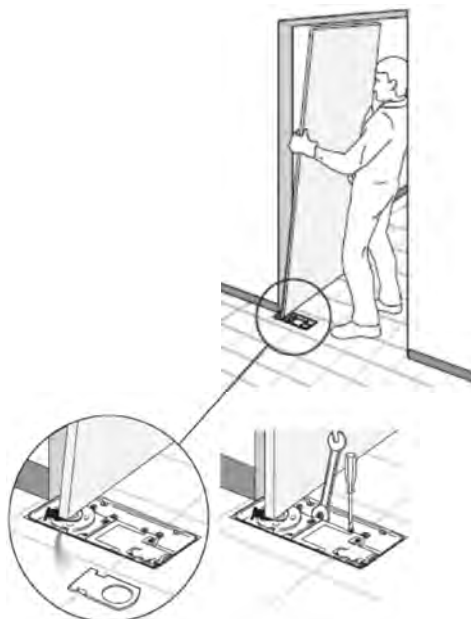
SEALING COMPOUND FOR FLOOR SPRING APPLICATION

GEL D'ÉTANCHÉITÉ POUR PIVOT À FREIN APPLICATION

Instalar a porta e a mola de pavimento, realizar todos os ajustes necessários conforme especificado no documento de aplicação da mola de pavimento M750. Não aplicar a capa de cobertura.

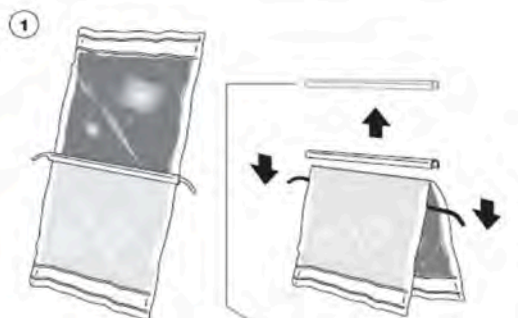
Install the door and the floor spring, and make all necessary adjustments as specified in the M750 floor spring installation guide. Do not fit the cover.

Installez la porte et le pivot à frein, effectuez tous les réglages nécessaires conformément aux instructions figurant dans la notice d'utilisation du pivot à frein M750. Ne posez pas le cache.



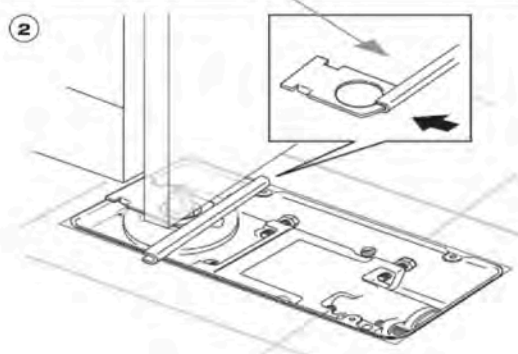
#### 1. Remover a barra de clipagem que separa o componente azul do transparente.

Remove the clip bar separating the blue component from the transparent one.  
Supprimer la barre de séparation qui sépare l'élément bleu de l'élément transparent.



#### 2. Colocar a barra de clipagem sobre a caixa da mola para servir de suporte ao ilhó da capa de cobertura.

Place the clamping bar over the spring housing to support the eyelet on the cover.  
Placer la barre de fixation sur le boîtier du ressort afin qu'elle serve de support à l'œillet du capot de protection.



## MOLA DE PAVIMENTO M750

FLOOR SPRING M750

PIVOT À FREIN M750

### APLICAÇÃO DO GEL DE VEDAÇÃO PARA MOLA DE PAVIMENTO

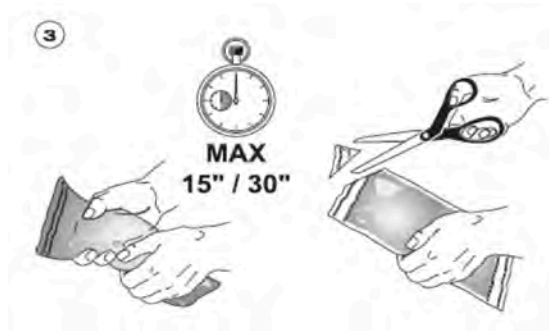
SEALING COMPOUND FOR FLOOR SPRING APPLICATION

GEL D'ÉTANCHÉITÉ POUR PIVOT À FREIN APPLICATION

#### 3. Misturar vigorosamente os dois componentes durante o mínimo de 15 segundos.

Mix the two components vigorously for at least 15 seconds.

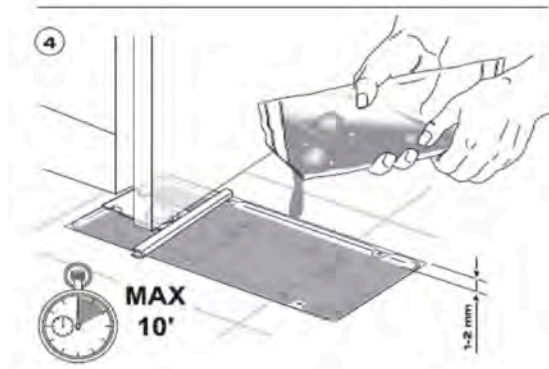
Mélanger énergiquement les deux composants pendant au moins 15 secondes.



#### 4. Cortar a embalagem junto a um dos cantos e começar a verter. Preencher a caixa da mola até aproximadamente 1-2mm do topo. Deixar repousar durante 10 minutos até que o gel assente completamente.

Cut the packaging along one of the corners and start pouring. Fill the spring box to about 1-2 mm from the top. Leave to stand for 10 minutes until the gel has set completely.

Découpez l'emballage au niveau d'un des coins et commencez à verser le contenu. Remplissez le boîtier du ressort jusqu'à environ 1 à 2 mm du bord supérieur. Laissez reposer pendant 10 minutes jusqu'à ce que le gel se stabilise complètement.



#### Para a mola de pavimento M750 é necessário utilizar as duas embalagens da caixa (Repetir o passo 3 e 4 antes de passar para os seguintes).

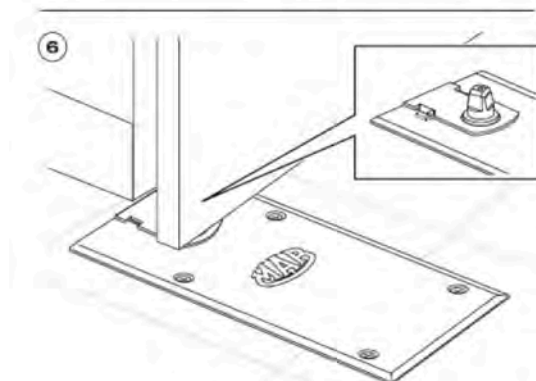
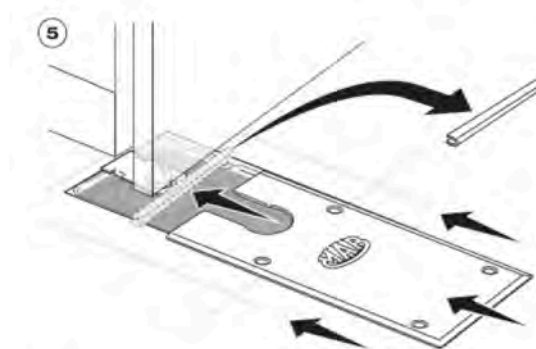
For the M750 floor spring, you must use both packs from the box (repeat steps 3 and 4 before proceeding to the next steps).

Pour le ressort de plancher M750, il faut utiliser les deux paquets contenus dans la boîte (répétez les étapes 3 et 4 avant de passer aux suivantes).

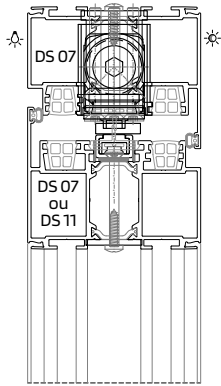
#### 5 e 6. Remover a barra que segura o ilhó. Deslizar a placa de cobertura para dentro dos suportes laterais do ilhó e fixar com os parafusos fornecidos.

Remove the bar holding the eyelet in place. Slide the cover plate into the eyelet's side brackets and secure it with the screws provided.

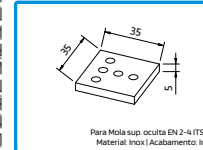
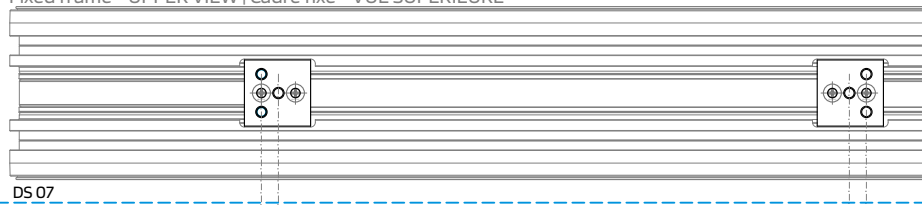
Retirez la barre qui maintient l'œillet. Glissez la plaque de recouvrement dans les supports latéraux de l'œillet et fixez-la à l'aide des vis fournies.



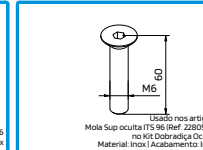
## APLICAÇÃO DA MOLA SUPERIOR OCULTA EN 2-4 ITS 96 E DO BRAÇO PARA MOLA OCULTA EN 2-4 ITS 96 UPPER CONCEALED DOOR CLOSER AND TOP STRAP APPLICATION APPLICATION FERME-PORTES SUPÉRIEUR D'ENCASTRÉ EN 2-4 ITS 96 ET DU BRAS DU HAUT



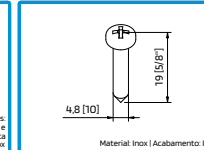
### Aro fixo - VISTA SUPERIOR Fixed frame - UPPER VIEW | Cadre fixe - VUE SUPÉRIEURE



215506 PEÇA FIXAÇÃO MOLA SUP. OC. ITS 96

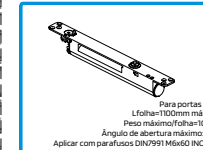
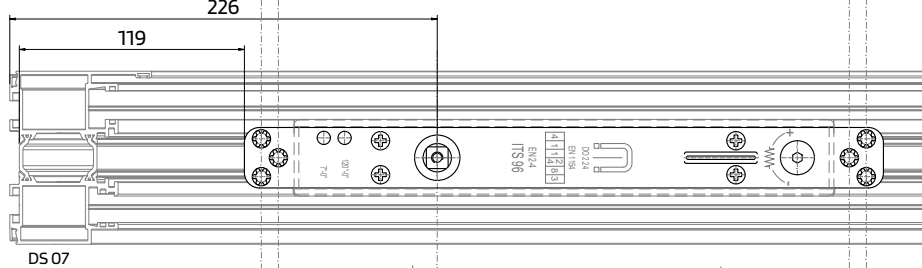


290149 PARAFUSO DIN7991 M6X60 INOX A2

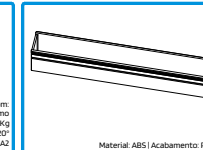


290506 PARAF. PKI PH 3/hx10 CO

### Aro fixo - VISTA INFERIOR Fixed frame - LOWER VIEW | Cadre fixe - VUE INFÉRIEURE



228051 MOLA SUP. OCULTA EN 2-4 ITS 96

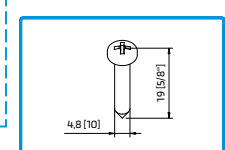


203309 COPO PI MOLA OCULTA ITS 96

### Aro móvel - VISTA SUPERIOR Mobile frame - UPPER VIEW | Cadre ouvrant - VUE SUPÉRIEURE

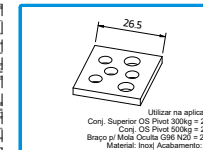
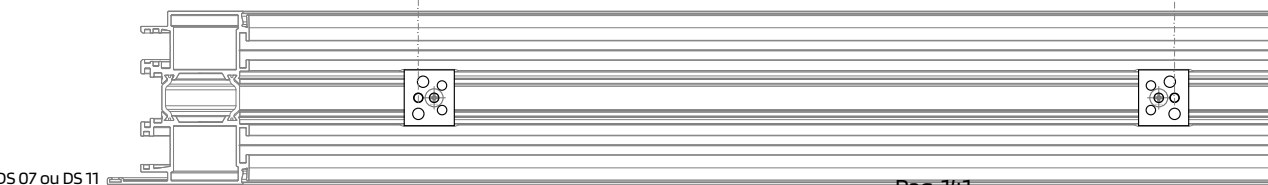


210117 BR. P/ MOLA OCULTA G96 N20 ESQ.  
210118 BR. P/ MOLA OCULTA G96 N20 DIR.

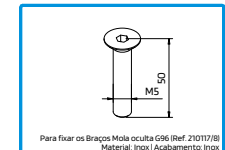


290506 PARAF. PKI PH 3/hx10 CO

### Aro móvel - VISTA INFERIOR Mobile frame - LOWER VIEW | Cadre ouvrant - VUE INFÉRIEURE



215041 PEÇA FIXAÇÃO INOX DS N°1



290148 PARAFUSO DIN7991 M5X50 INOX A2

**MONTAGEM DA FECHADURA DE TRANCAS E ACESSÓRIOS - NO ARO FIXO**

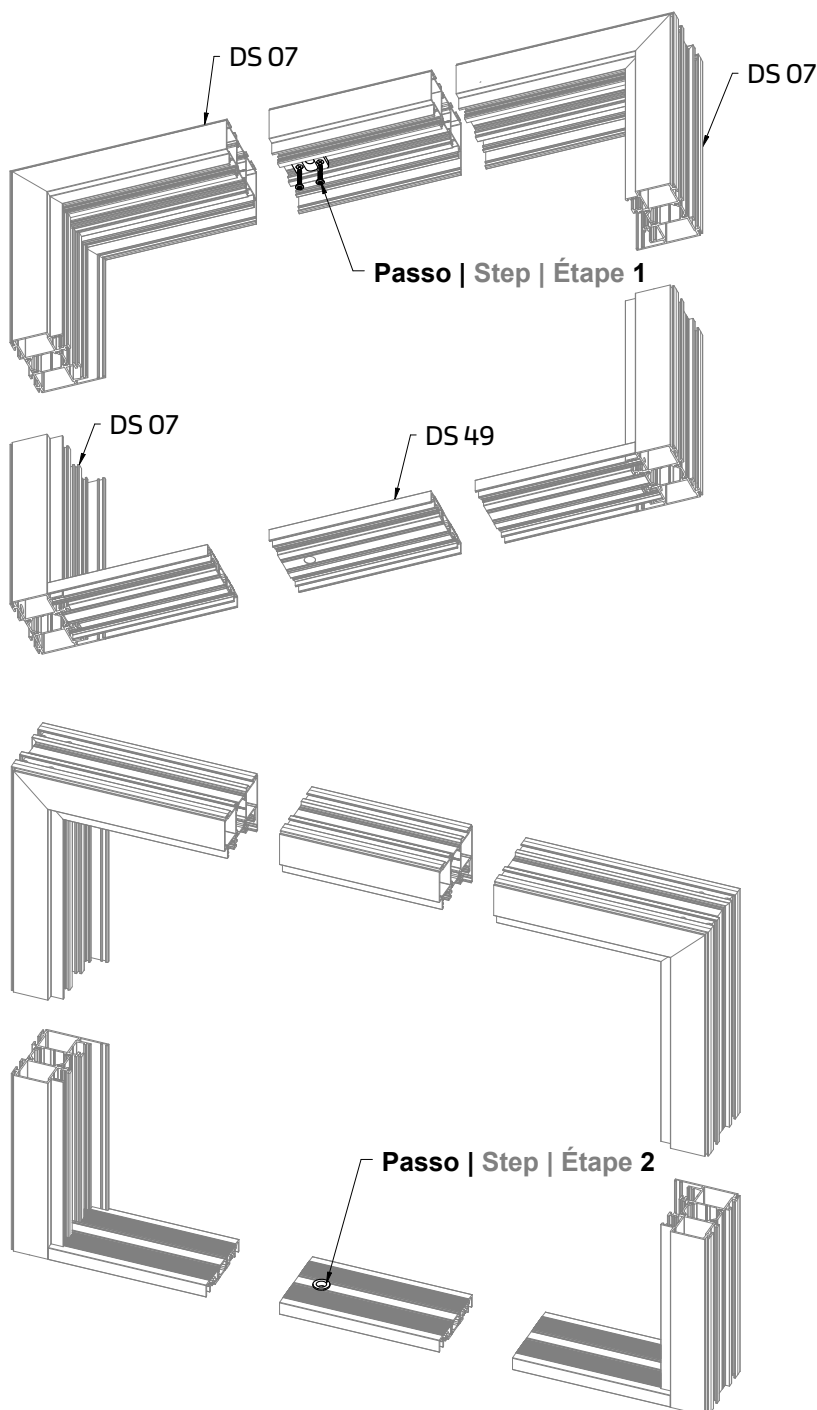
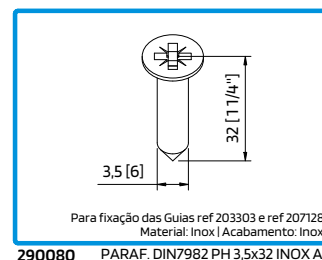
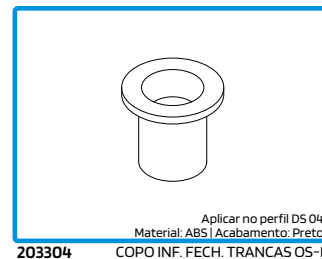
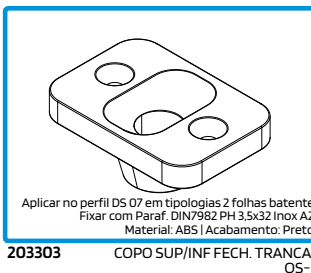
LOCKING HARDWARE AND ACCESSORIES ASSEMBLY - FIXED FRAME

ASSAMBLAGE DE SERRURE ET ACCESSOIRES - CADRE DORMANT

**Aplicação dos copos inferior e superior no aro fixo.**

For 1 sash side-hinged typologies

Pour typologies à battant 1 vantail



**MONTAGEM DA FECHADURA DE TRANCAS E ACESSÓRIOS - NO ARO FIXO E FOLHA PASSIVA**

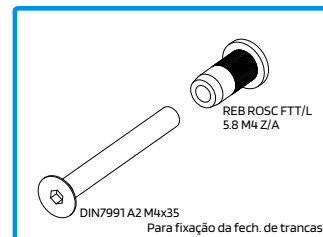
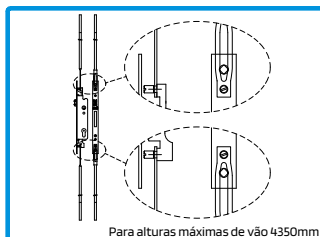
LOCKING HARDWARE AND ACCESSORIES ASSEMBLY - FIXED FRAME AND PASSIVE SASH

ASSAMBLAGE DE SERRURE ET ACCESSOIRES - CADRE DORMANT ET VANTAIL PASSIVE

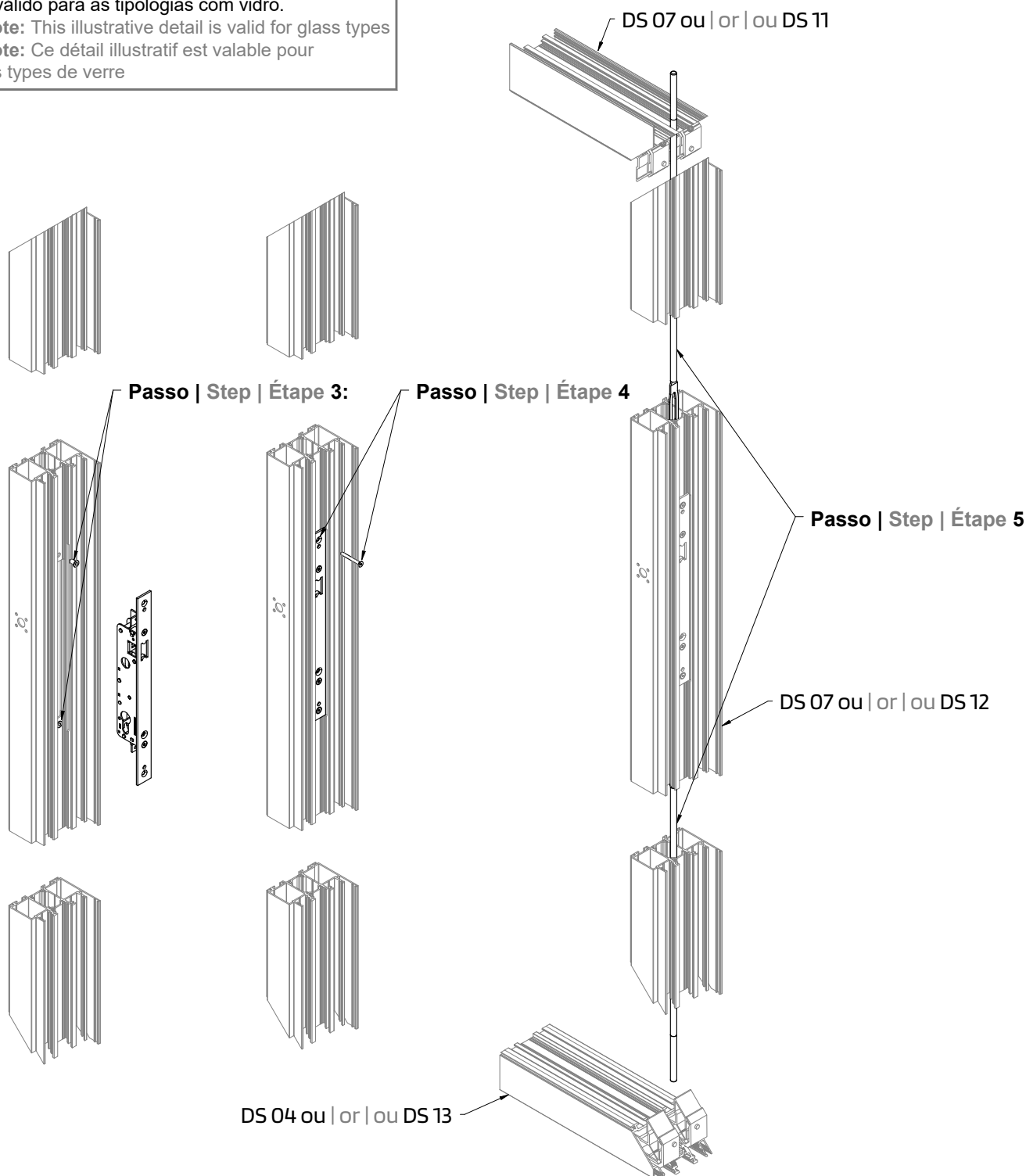
Aplicação e fixação da fechadura de tranças e colocação das varetas na folha passiva

Application and fixing of the locking hardware and placement of the rods in the passive sash

Application et fixation de la serrure et mise en place des tiges dans l'ouvrant passif



**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre



**MONTAGEM DA FECHADURA DE TRANCAS E ACESSÓRIOS - NO ARO FIXO E FOLHA PASSIVA**

LOCKING HARDWARE AND ACCESSORIES ASSEMBLY - FIXED FRAME AND PASSIVE SASH

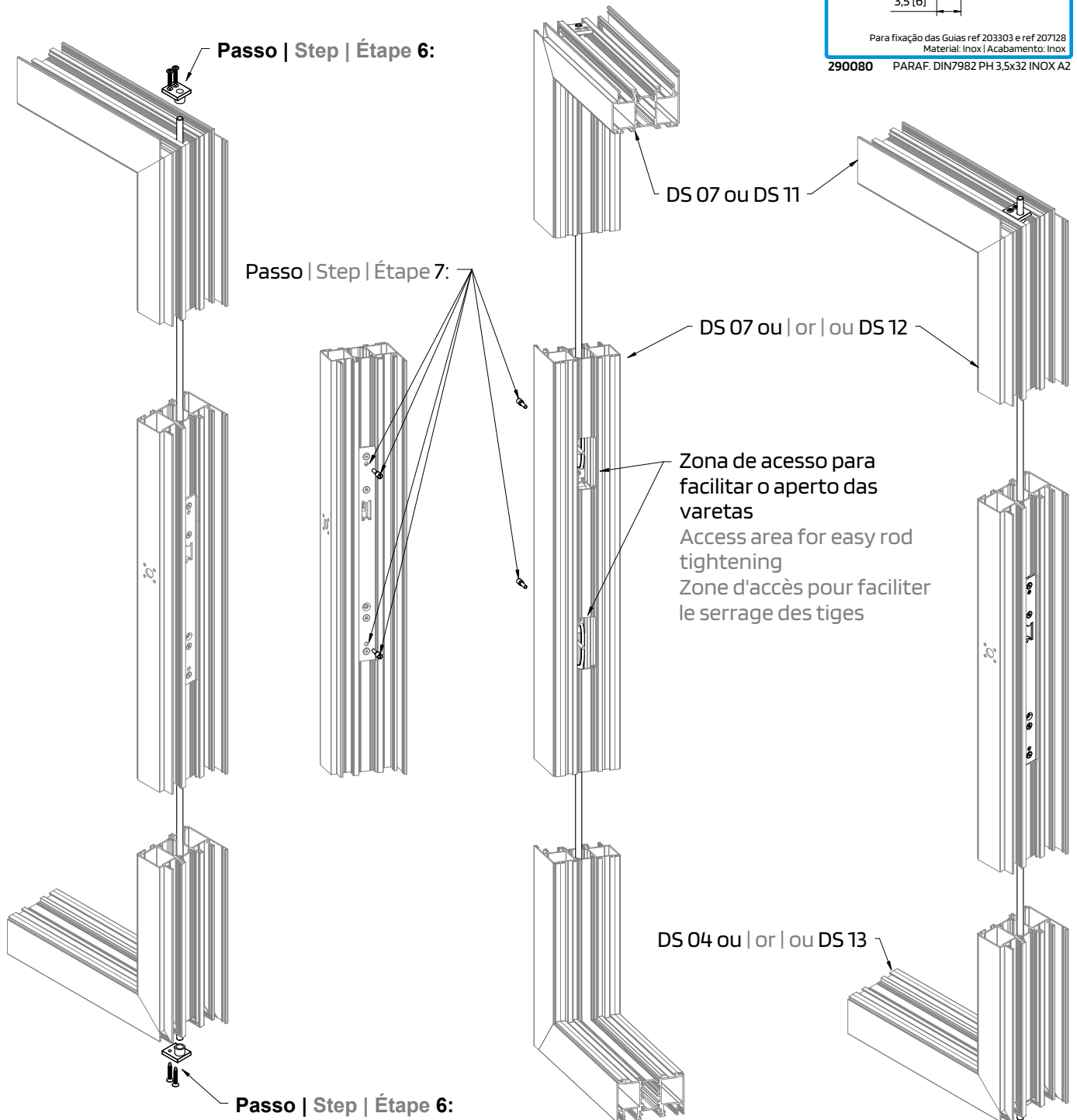
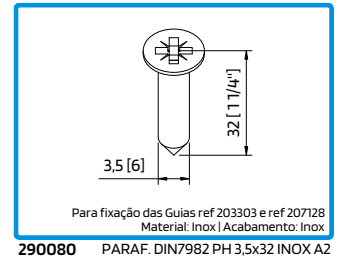
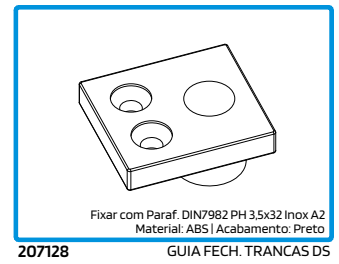
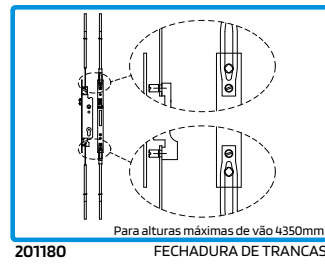
ASSAMBLAGE DE SERRURE ET ACCESSOIRES - CADRE DORMANT ET VANTAIL PASSIVE

Aplicação e fixação da fechadura de tranças e colocação das varetas na folha passiva

Application and fixing of the locking hardware and placement of the rods in the passive sash

Application et fixation de la serrure et mise en place des tiges dans l'ouvrant passif

**Nota:** Este pormenor exemplificativo é válido para as tipologias com vidro.  
**Note:** This illustrative detail is valid for glass types  
**Note:** Ce détail illustratif est valable pour les types de verre



## APLICAÇÃO DA FECHADURA 3 PONTOS M2 35mm

3 POINTS M2 35mm LOCK APPLICATION

APPLICATION DE LA SERRURE 3 POINTS M2 35mm

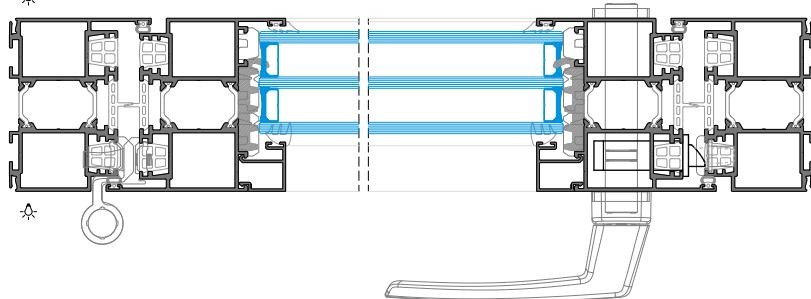
Aplicar a Fechadura Ref. 201138 (Esquerda) nas seguintes tipologias:

Apply Lock Ref. 201138 (Left) to the following typologies:

Appliquez la Serrure réf. 201138 (Gauche) aux typologies suivantes :

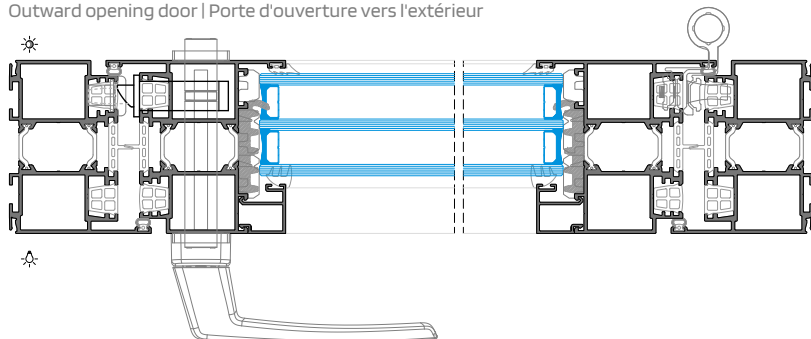
Porta de abertura para interior

Inward opening door | Porte d'ouverture vers l'intérieur



Porta de abertura para o exterior

Outward opening door | Porte d'ouverture vers l'extérieur



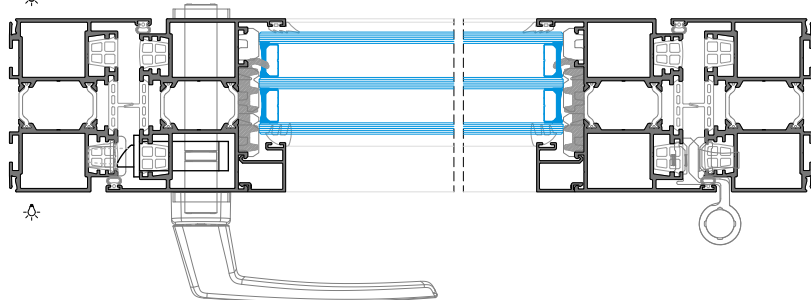
Aplicar a Fechadura Ref. 201112 (Direita) nas seguintes tipologias:

Apply Lock Ref. 201138 (Direita) to the following typologies:

Appliquez la Serrure réf. 201138 (Droite) aux typologies suivantes :

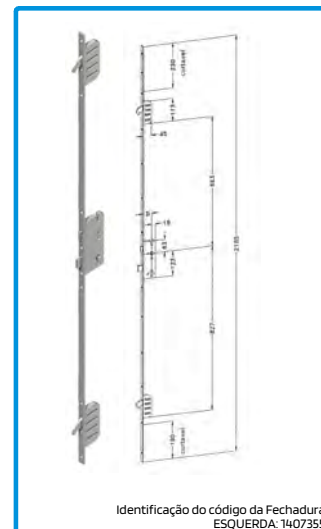
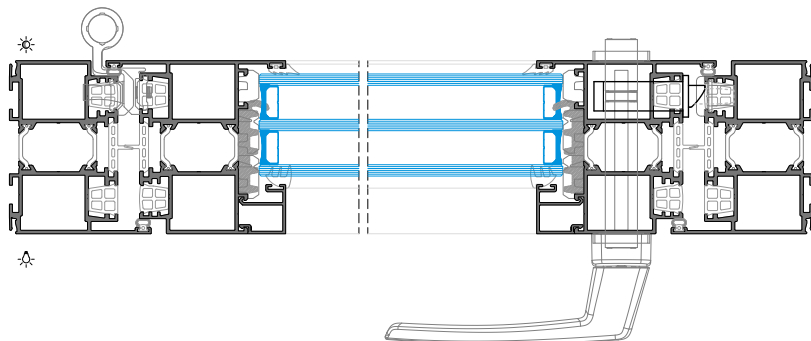
Porta de abertura para interior

Inward opening door | Porte d'ouverture vers l'intérieur



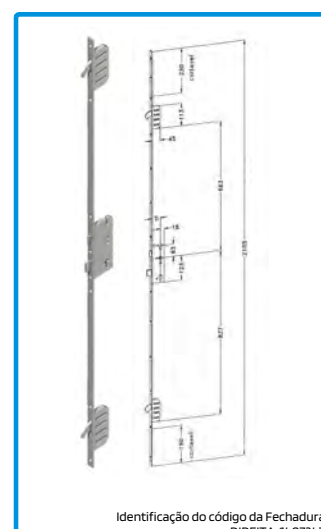
Porta de abertura para o exterior

Outward opening door | Porte d'ouverture vers l'extérieur



Identificação do código da Fechadura  
ESQUERDA: 1407355

201138 FECHADURA 3 PONTOS M2 35MM ESQ



Identificação do código da Fechadura  
DIREITA: 1407347

201112 FECH. 3 PONTOS M2 35mm DIR

## APLICAÇÃO DA TESTA CENTRAL E DA TESTA INF./ SUP. FECHADURA M2

M2 CENTRAL AND LOWER/UPPER STRICKING PLATE APPLICATION  
APPLICATION DES GÂCHE CENTRALE ET INF./SUP. M2

Aplicar as Testas Ref. 280042 e Ref. 280043 nas seguintes tipologias:  
Apply Stricking plates Ref. 280042 and Ref. 280043 to the following typologies:  
Appliquez les Gâches Réf. 280042 et Réf. 280043 aux typologies suivants :



280042 TESTA CENTRAL FECHADURA M2

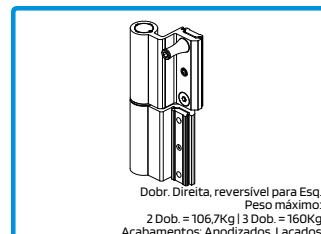
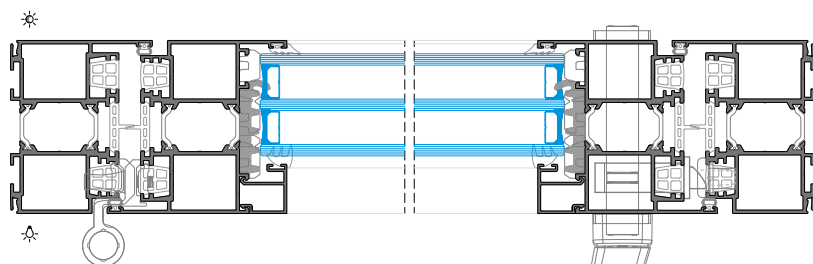


280043 TESTA INF./SUP. FECHADURA M2

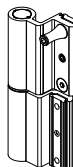
### Porta de abertura para interior - com Dobradiça Ref. 202238

Inward opening door - with Hing Ref. 202238

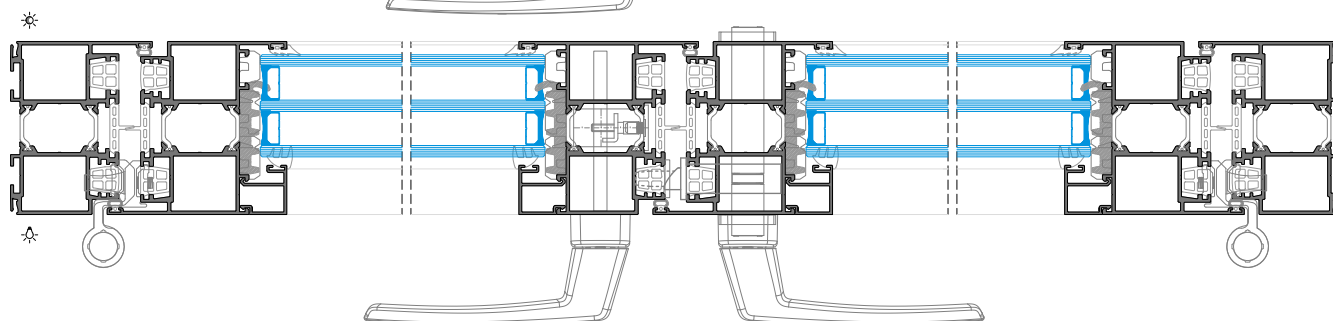
Porte d'ouverture vers l'intérieur - avec Paumelle Ref. 202238



202238 DOBRADIÇA PORTA DS 2L AFINAÇÃO 3D



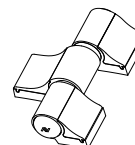
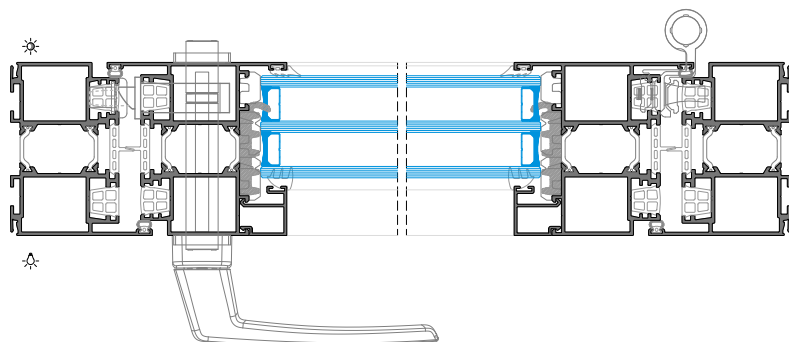
Dobr. Direita, reversível para Esq.  
Peso máximo:  
2 Dob. = 106,7Kg | 3 Dob. = 160Kg  
Acabamentos: Anodizados, Lacados



### Porta de abertura para o exterior - com Dobradiças *Mechanica*

Outward opening door - with *Mechanica* hinges

Porte d'ouverture vers l'extérieur - avec Paumelles *Mechanica*



Dobradiças com regulação nos 3 eixos  
Fixar com 1 Kit T145.715

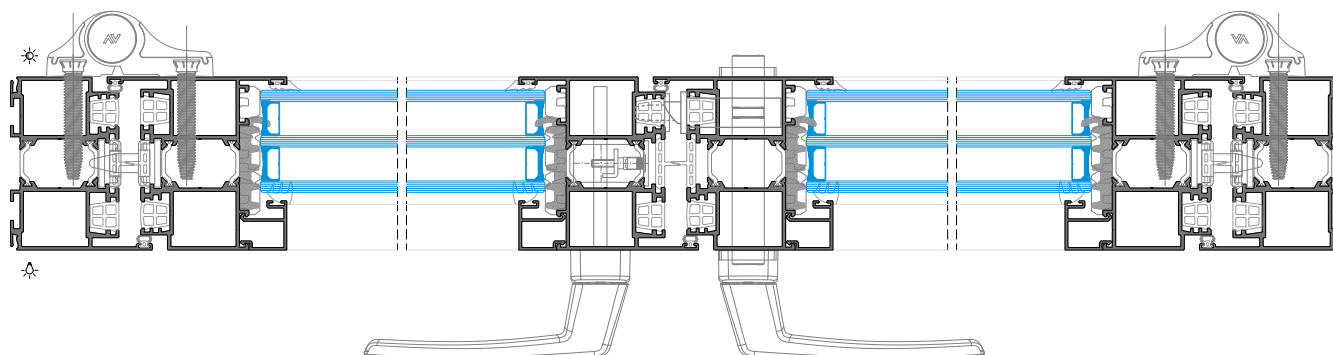
202610 DOB. MECHANICA 3 ABAS T145.3/60

Dobradiça T145.3/60: distância entre eixos = 60mm  
2 Dobradiças=160Kg  
3 Dobradiças=180Kg



202010 DOB. MECHANICA 2 ABAS T145/60

Dobradiça com regulação nos 3 eixos  
Distância entre eixos = 60mm  
Dobradiça certificada para peso máx.=160Kg  
Fixar com 1 Kit T145.705



## APLICAÇÃO DO CONJUNTO CHAPAS TESTAS LISA

STRICKING PLATE KIT APPLICATION

APPLICATION DU KIT DE GÂCHES

Aplicar o Conjunto Ref. 212424 nas seguintes tipologias:

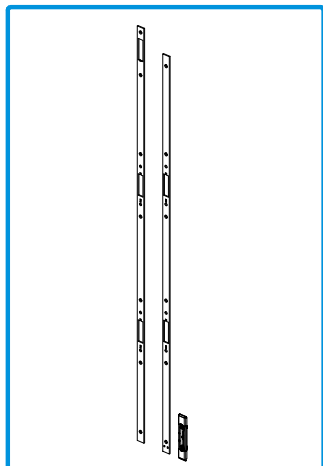
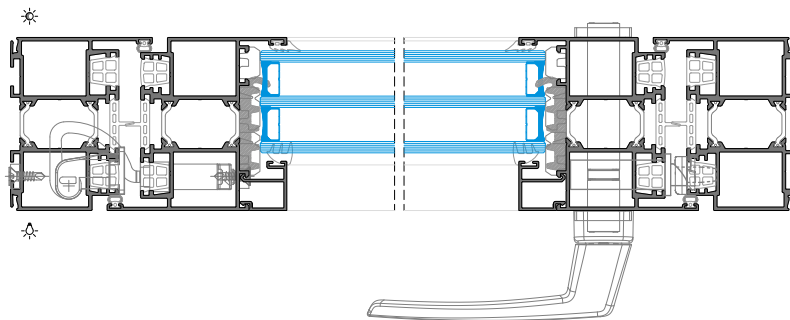
Apply the kit Ref. 212424 to the following typologies:

Appliquez le Kit Réf. 212424 aux typologies suivants :

### Porta de abertura para interior - com Dobradiça Ref. 202109

Inward opening door - with Hing Ref. 202109

Porte d'ouverture vers l'intérieur - avec Paumelle Ref. 202109



Para aplicar com a Fechadura 3 pontos M2 35mm (Ref. 201112), em tipologias de batente com a utilização da Dobradiça Oculta ou em tipologias pivotantes  
Material: Inox

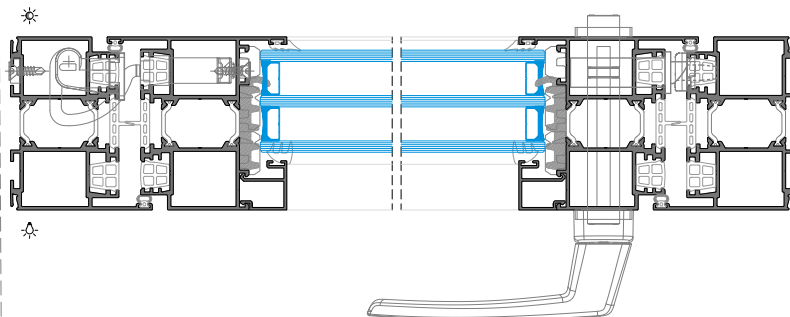
212424

CONJ. CHAPA TESTA LISA

### Porta de abertura para o exterior - com Dobradiça Ref. 202109

Outward opening door - with Hing Ref. 202109

Porte d'ouverture vers l'extérieur - avec Paumelle Ref. 202109



Peso máximo: 2 Dob. = 100Kg | 3 Dob. = 140Kg  
Acabamento: Prata

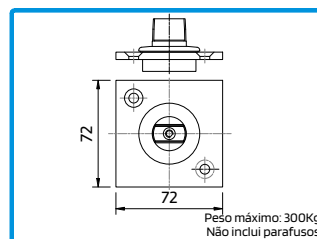
202109

DOBRADIÇA OCULTA SOLID

### Porta pivotante

Pivoting door

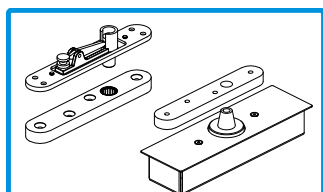
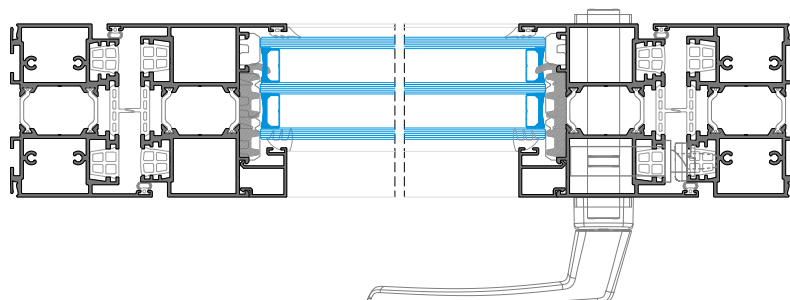
Porte pivotant



227114

PIVOT DE CHÃO 7471 AX

Peso máximo: 300Kg  
Não inclui parafusos



Peso máximo: 500Kg/folha  
Largura máxima por folha: 1500mm  
Para larguras superiores, consultar Gab. Técnico

212324

CONJUNTO OS PIVOT 500KG

# VII

ANOTAÇÕES  
ANNOTATIONS | REMARQUES

## ATUALIZAÇÕES REALIZADAS NESTA VERSÃO

UPDATES DONE IN THIS VERSION | LES MISES À JOUR EFFECTUÉES DANS CETTE VERSION

<b>1</b>	<p><b>CAP III - ACESSÓRIOS</b></p> <ul style="list-style-type: none"> <li>- Acrescentou-se na Fechadura de trancas (Ref. 201180) a medida máxima de altura do vão;</li> <li>- Corrigidas as legendas das Fechaduras 3 pontos M2 35MM (ref. 201112 e 201138);</li> <li>- Acrescentados os eixos de substituição referente à mola de pavimento M750 300 kg (Ref. 228078);</li> <li>- Acrescentada a Fechadura motorizada T24 e 92 EM35 PZ M-TS (201123) e acessórios complementares;</li> <li>- Acrescentadas as barras anti pânico e acessórios complementares;</li> <li>- O Conjunto de topos aro fixo DS (Ref. 212418) passa a ser opcional;</li> <li>- Inserido o Gel de vedação para molas de pavimento (Ref. 208706).</li> </ul> <p><b>CHAPTER III - ACCESSORIES</b></p> <ul style="list-style-type: none"> <li>- The maximum opening height has been added to the Locking Mechanism (Ref. 201180);</li> <li>- The captions for the M2 35MM 3-point locks (Ref. 201112 and 201138) have been corrected;</li> <li>- Replacement pins for the M750 300 kg floor spring (Ref. 228078) have been added;</li> <li>- The T24 and 92 EM35 PZ M-TS motorised lock (201123) and complementary accessories have been added;</li> <li>- Added panic bars and complementary accessories;</li> <li>- The DS fixed-rim top set (Ref. 212418) is now optional;</li> <li>- Added sealing gel for floor springs (Ref. 208706).</li> </ul> <p><b>CHAPITRE III - ACCESSOIRES</b></p> <ul style="list-style-type: none"> <li>- La hauteur maximale de l'ouverture a été ajoutée à la serrure à verrous (réf. 201180) ;</li> <li>- Les légendes des serrures à 3 points M2 35 mm (réf. 201112 et 201138) ont été corrigées ;</li> <li>- Ajout des axes de remplacement pour le ressort de sol M750 300 kg (réf. 228078) ;</li> <li>- Ajout de la serrure motorisée T24 et 92 EM35 PZ M-TS (201123) et des accessoires complémentaires ;</li> <li>- Ajout des barres anti-panique et des accessoires complémentaires ;</li> <li>- L'ensemble de capuchons à jante fixe DS (réf. 212418) devient optionnel ;</li> <li>- Ajout du gel d'étanchéité pour ressorts de plancher (réf. 208706).</li> </ul>
<b>2</b>	<p><b>CAP IV - PORMENORES</b></p> <ul style="list-style-type: none"> <li>- Em todas as tipologias alterou-se as medidas de corte. Esta alteração fez com que as medidas de corte verticais e horizontais nas tabelas fossem modificadas;</li> <li>- O conjunto de topos aro fixo DS (Ref. 212418) é opcional em todas as tipologias;</li> <li>- Introduziram-se novas tipologias de 1 e 2 folhas, com a aplicação da Fechadura motorizada.</li> </ul> <p><b>CHAPTER IV - DETAILS</b></p> <p>The cutting dimensions have been changed for all models. This change has resulted in modifications to the vertical and horizontal cutting dimensions in the tables;</p> <ul style="list-style-type: none"> <li>- The DS fixed frame end-cap kit (Ref. 212418) is optional for all types;</li> <li>- New 1- and 2-leaf models have been introduced, featuring a motorised lock.</li> </ul> <p><b>CHAPITRE IV - DÉTAILS</b></p> <ul style="list-style-type: none"> <li>- Les dimensions de coupe ont été modifiées pour tous les modèles. Cette modification a entraîné une adaptation des dimensions de découpe verticales et horizontales indiquées dans les tableaux;</li> <li>- Le kit d'embouts DS (Ref. 212418) est en option pour tous les modèles;</li> <li>- On a introduit de nouveaux modèles à 1 et 2 vantaux, avec l'application de la serrure motorisée.</li> </ul>

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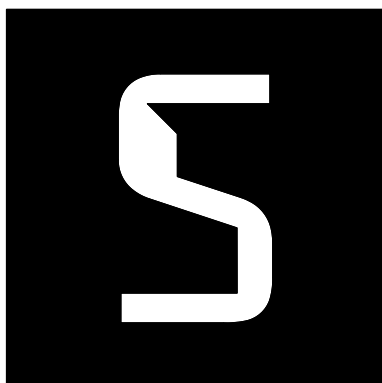
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