



NOTICE DE MONTAGE
MONTAGEANLEITUNG
INSTRUCTIONS FOR ASSEMBLY
INSTRUCCIONES DE MONTAJE

NM OPENTEC FMF150



SYSTÈME PLIANT POUR BAIE VITRÉE AVEC CADRE ACIER
FALTSCHIEBESYSTEM GLASFENSTER MIT STAHLRAHMEN
FOLDING SYSTEM FOR METAL-FRAMED PICTURE WINDOWS
HARRAJE PARA MAMPARAS PLEGABLES CON MARCO DE ACERO

Poids maximal / vantail Maximales Gewicht / Türpaneele Maximum weight / panel Peso máximo / hoja	150 KG 330 lbs.
Epaisseur des vantaux* Ladendicke* Panels thickness* Espesor de las contraventanas*	50 --> 100 mm 1 ³¹ / ₃₂ " --> 4
Epaisseur des vitrages* Dicke der Verglasungen* Thickness glazing* Espesor de los acristalamientos*	24 --> 50 mm ¹⁵ / ₁₆ " --> 1 ¹⁵ / ₁₆ "
Largeur des vantaux Flügelbreite Panel width Ancho de panel	500 --> 1100 mm 1 ft 7 ¹¹ / ₁₆ " --> 3 ft 7 ⁵ / ₁₆ "
Nombre de vantaux Ladenanzahl Number of panels Numero de hojas agrupadas	2 + 1 --> 7 + 8 17000 x 3500 mm 55 ft 9 ¹⁹ / ₆₄ " - 11 ft 5 ⁵¹ / ₆₄ "

SLIDSOFT®

Logiciel de calcul
(quantitatif, dimensionnement ...)

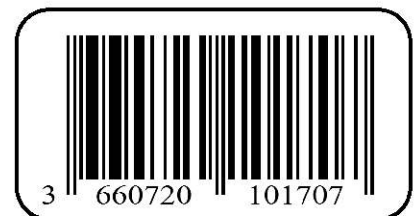
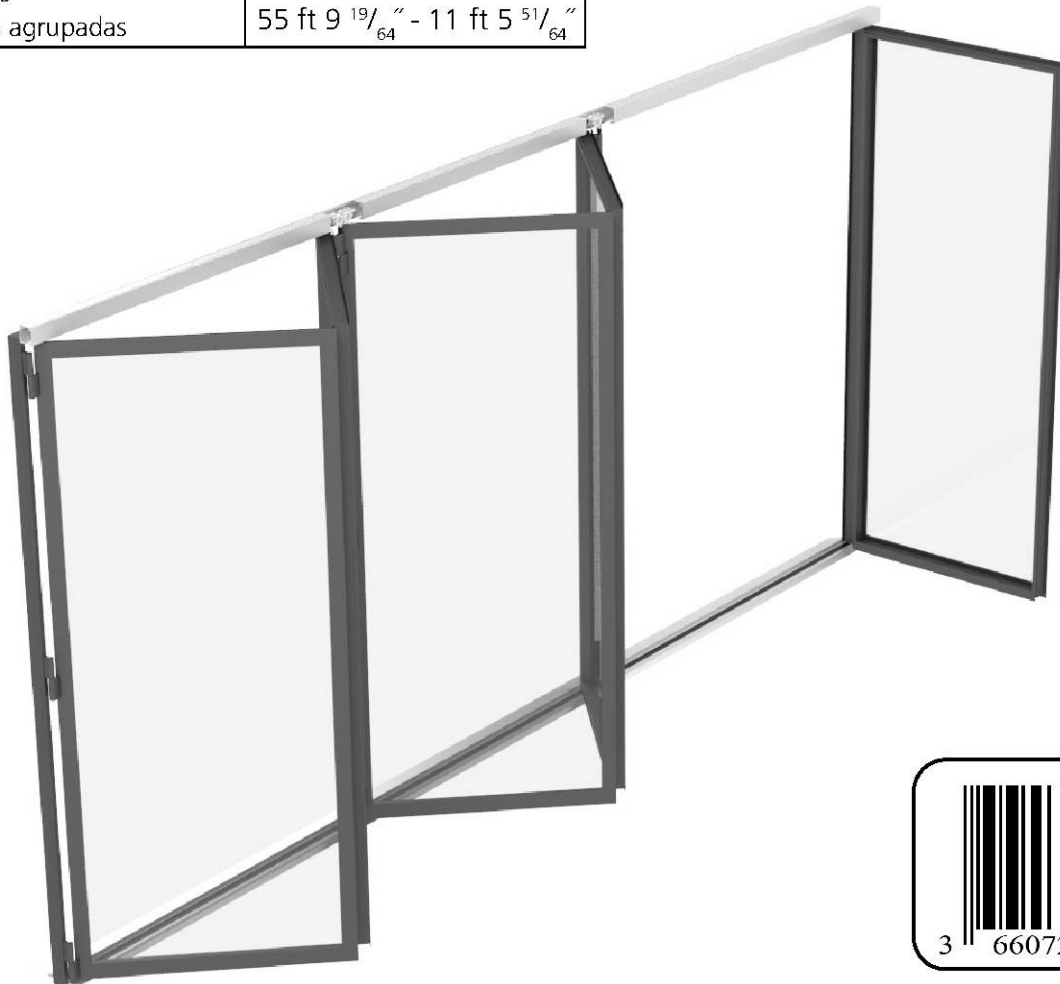
Computation software
(quantitative, sizing...)

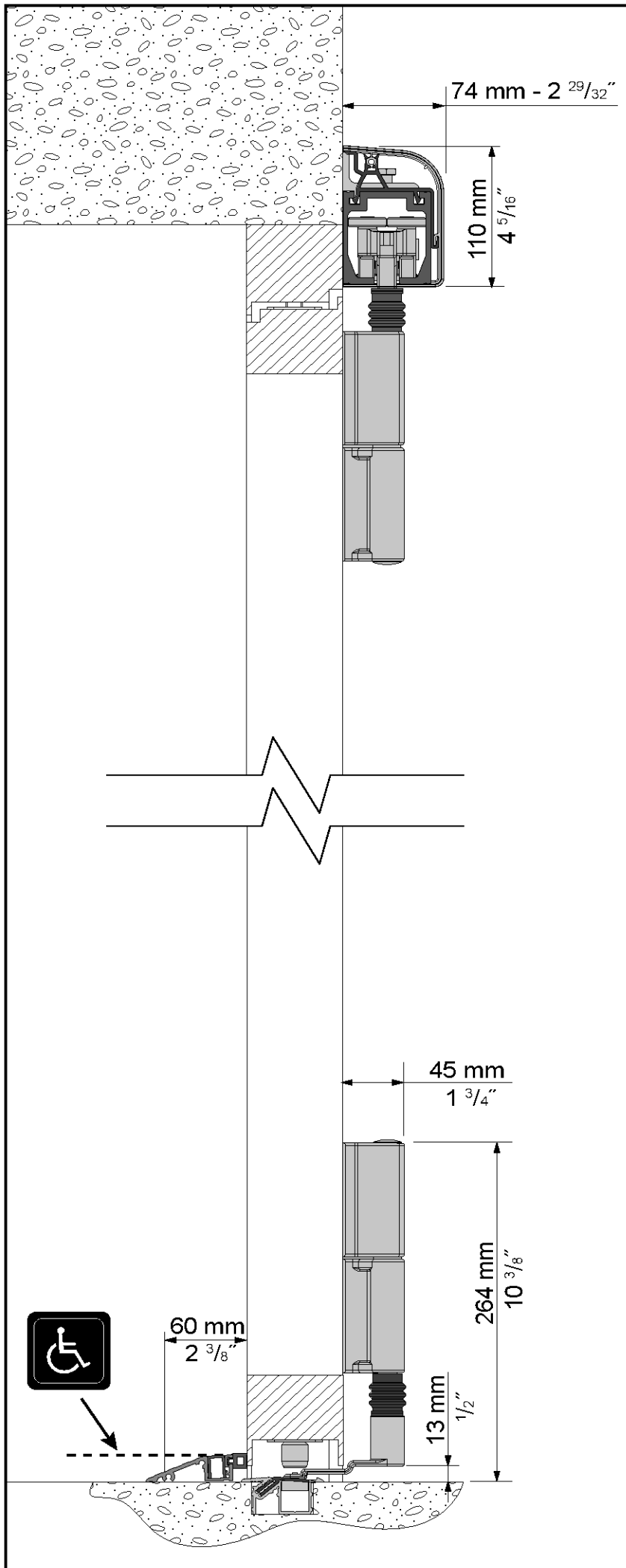
Berechnungsprogramm
(quantitativ, Größenbestimmung...)

Programa de cálculo
(cuantitativo, dimensionamiento...)

www.mantion.com

*Non fourni
*Nicht geliefert
*not supplied
*No suministrado



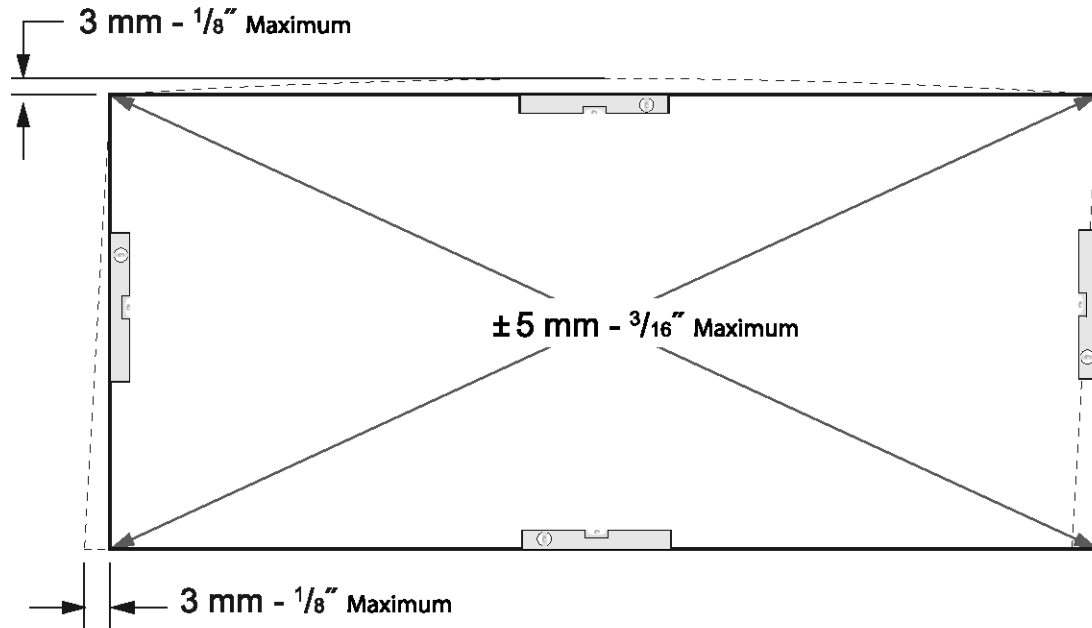


www.slidsoft.com

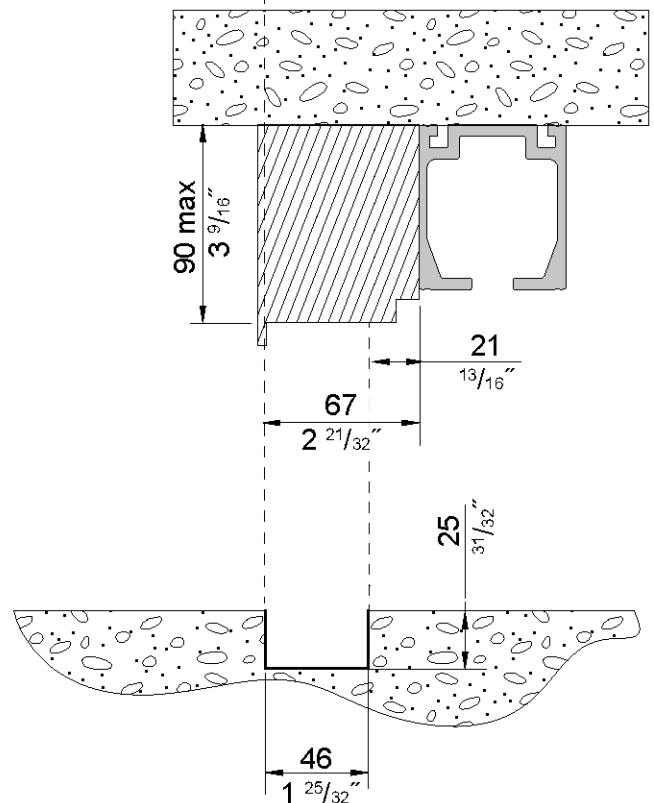
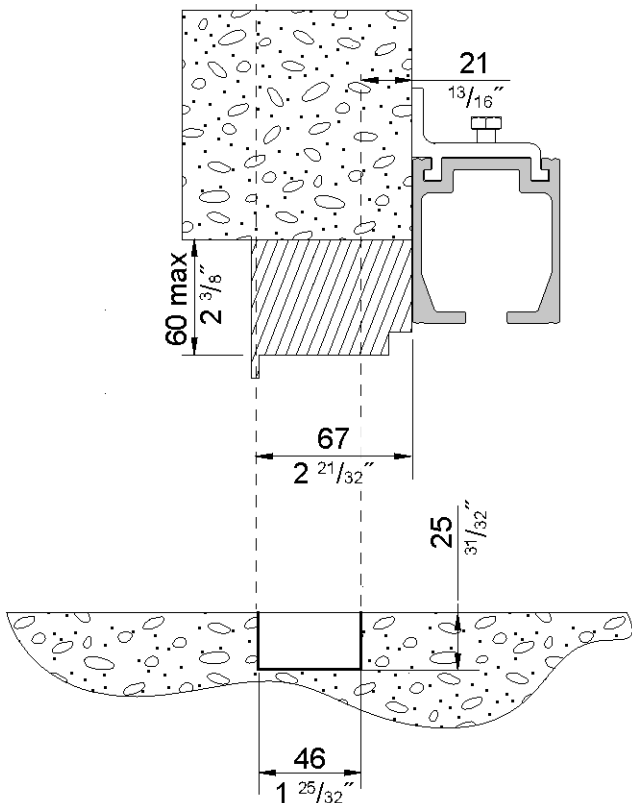
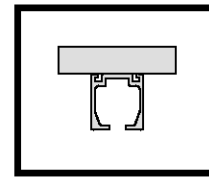
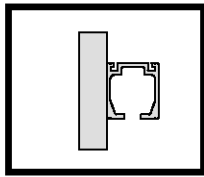
Pour détailler votre projet, c'est facile !
 Il vous suffit de renseigner les dimensions de
 votre baie et vos options.
 Vous aurez aussi accès au détail complet des
 produits et plans.

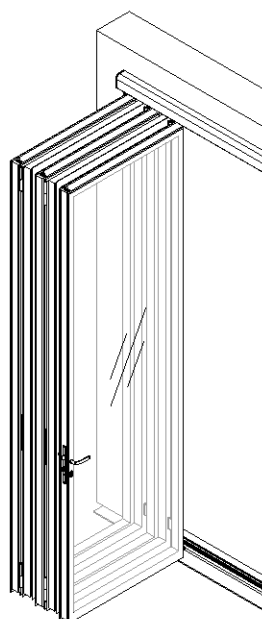
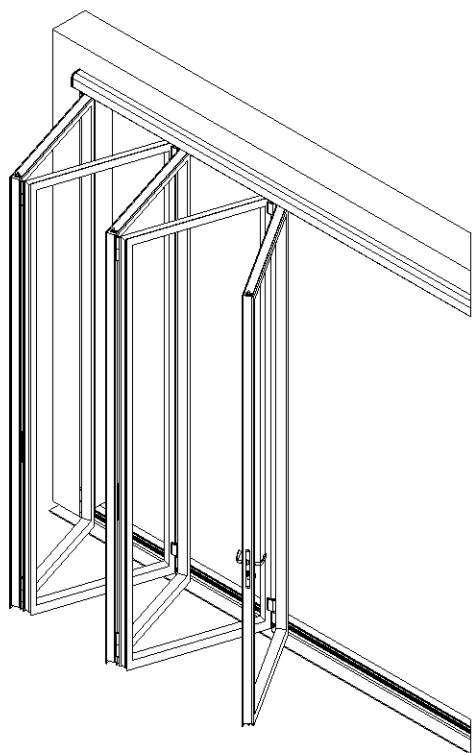
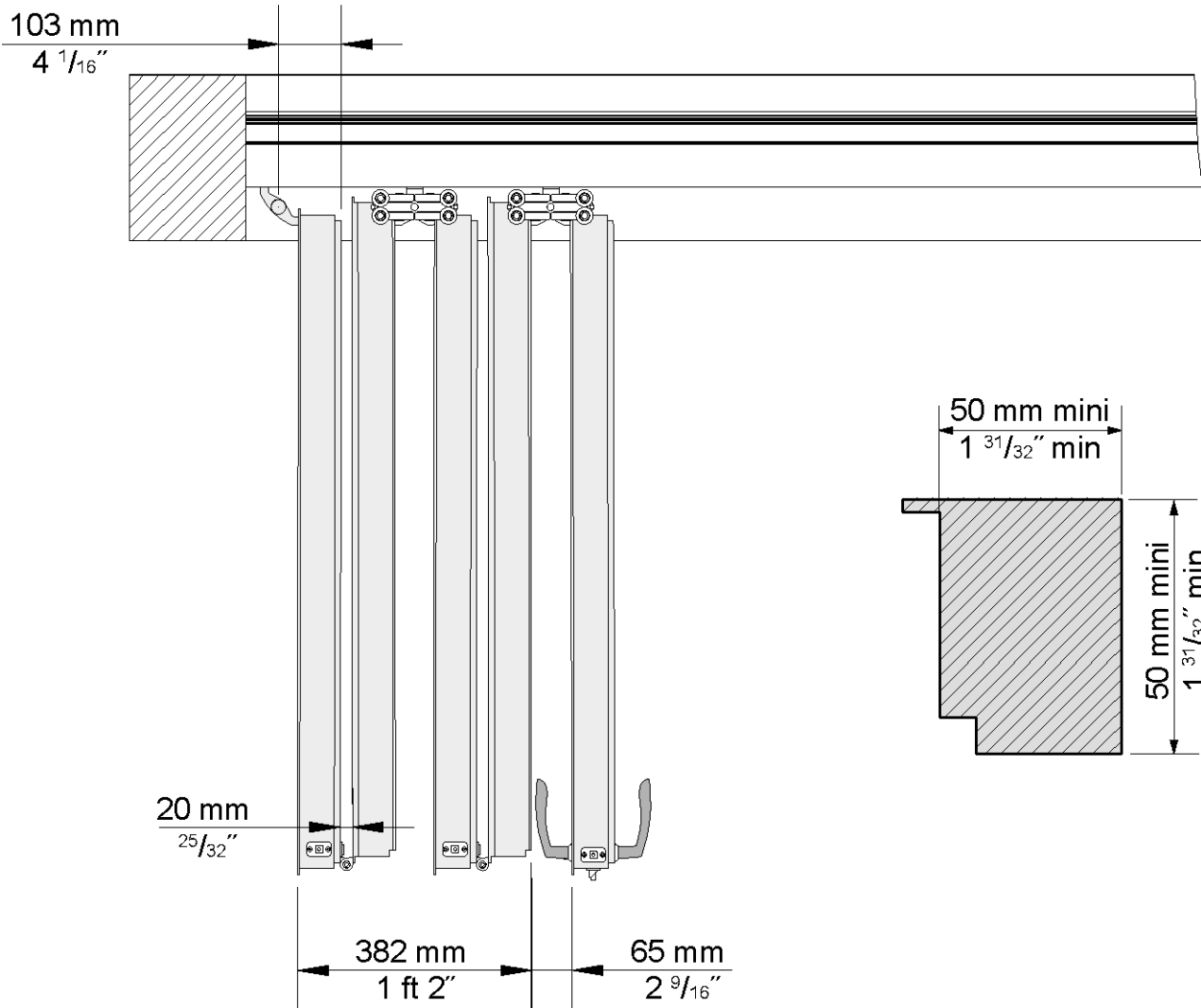
It is easy to determine the solution!
 Simply enter the dimensions of your opening
 and your options.
 You will also have access to the full details
 of the products and plans.

TOLÉRANCES DE LA BAIE - TOLERANCE OF THE BAY



MAÇONNERIE - MASONRY

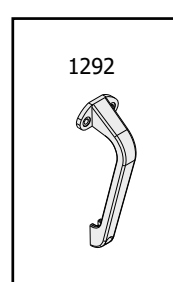
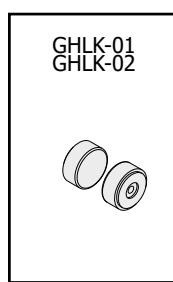
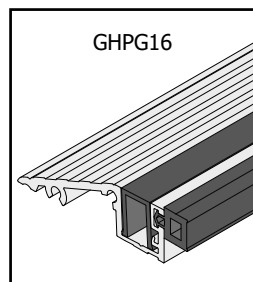
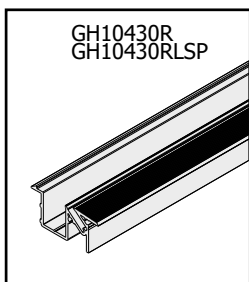
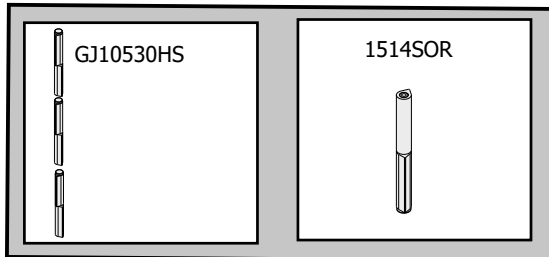
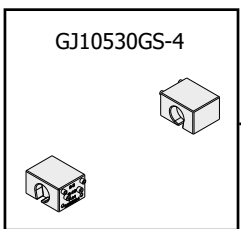
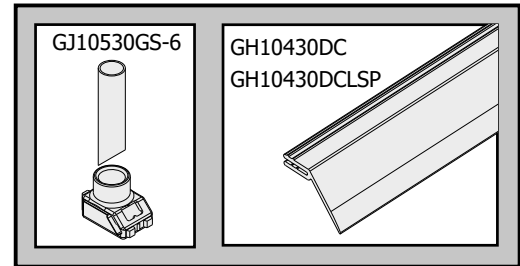
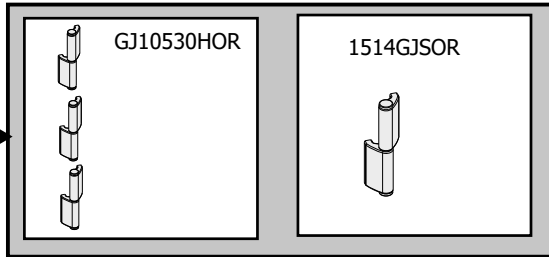
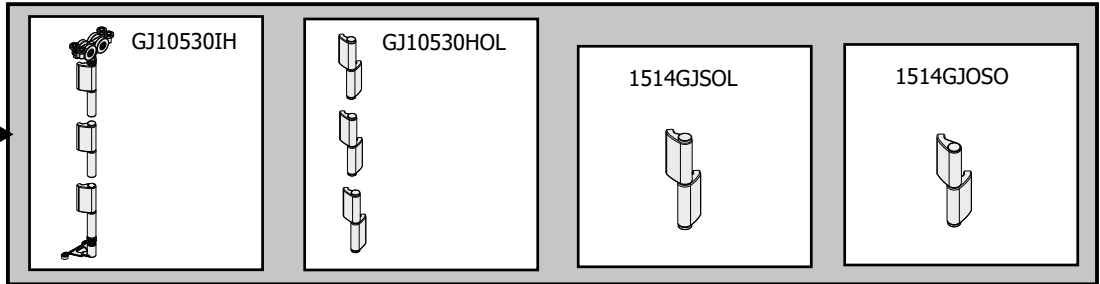
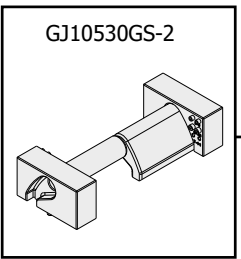
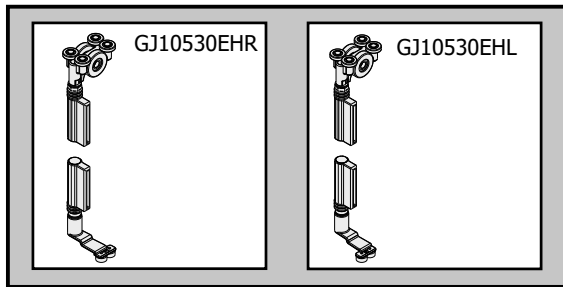
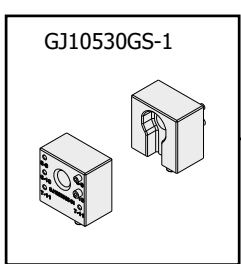
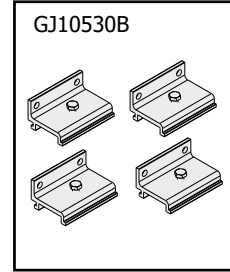
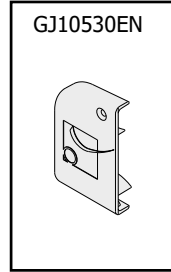
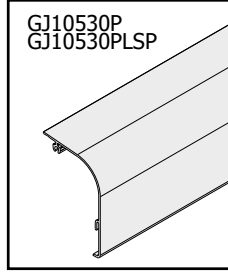
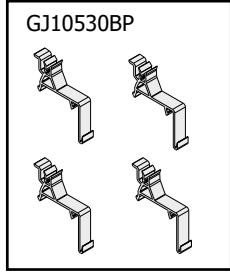
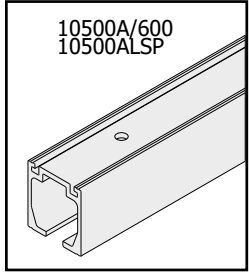
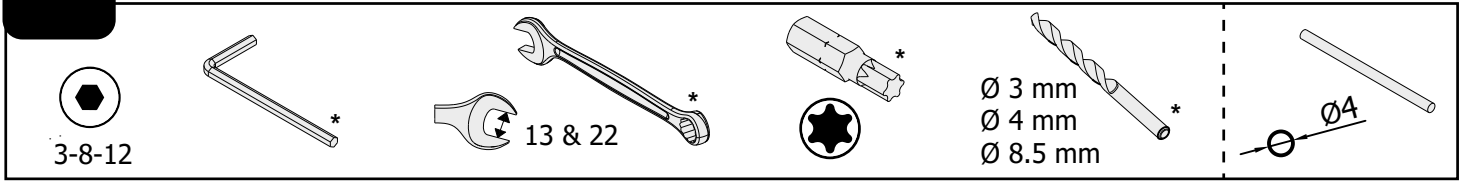




COMPOSITION - ZUSAMMENSETZUNG - COMPOSICIÓN

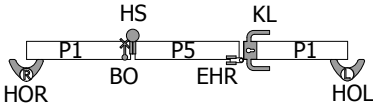


*Non fourni - Nicht geliefert - not supplied - No suministrado

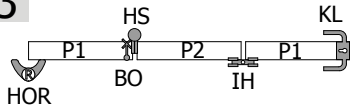


CHOIX DE LA CONFIGURATION CHOICE OF THE CONFIGURATION

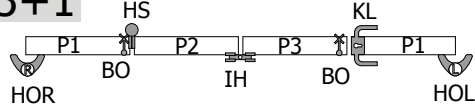
2+1



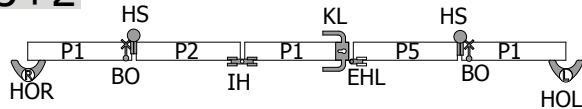
3



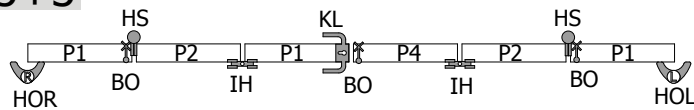
3+1



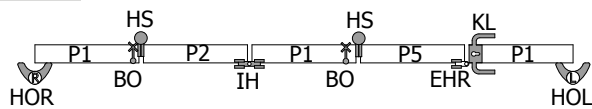
3+2



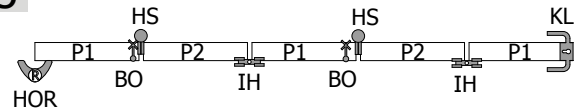
3+3



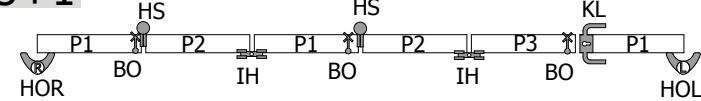
4+1



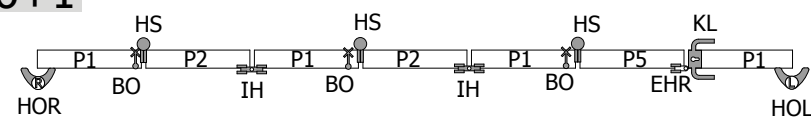
5



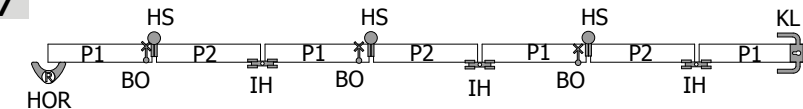
5+1



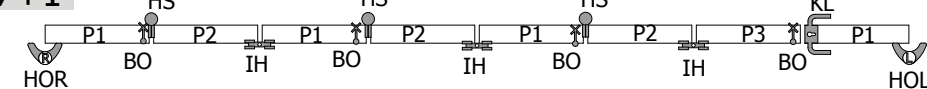
6+1



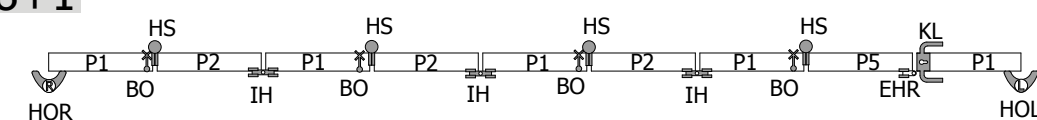
7



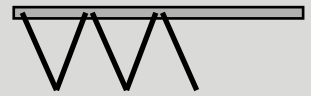
7+1



8+1

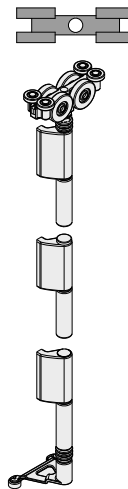


intérieur / inside

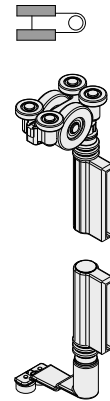


extérieur / outside

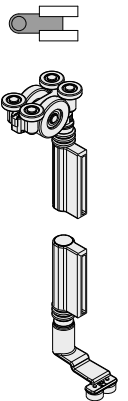
IH



EHR



EHL



HS



BO



KL

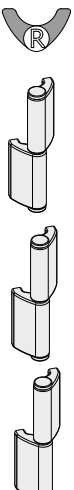


Utiliser les références de verrouillages spécifiques préconisés par les fabricants de profils de menuiserie acier
BO = verrou à levier 2 points
KL = verrou à cylindre 3 points

HOL

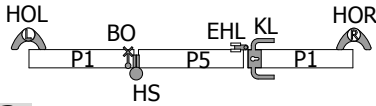


HOR

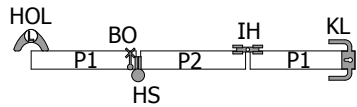


CHOIX DE LA CONFIGURATION CHOICE OF THE CONFIGURATION

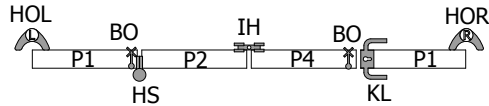
2+1



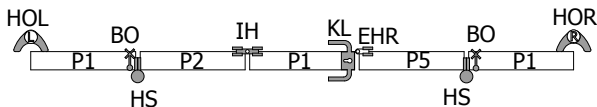
3



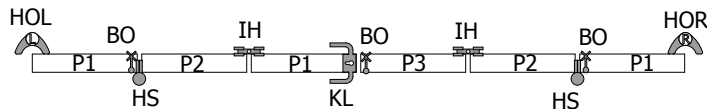
3+1



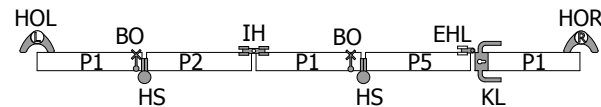
3+2



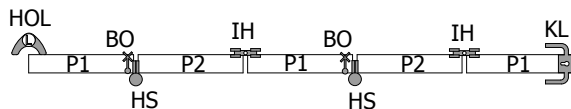
3+3



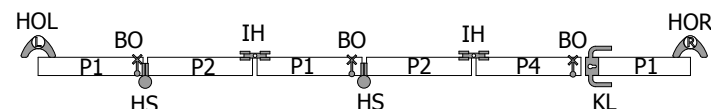
4+1



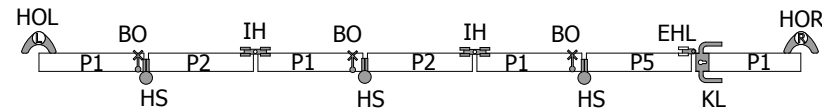
5



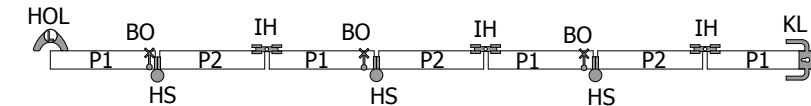
5+1



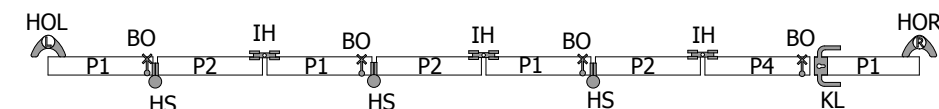
6+1



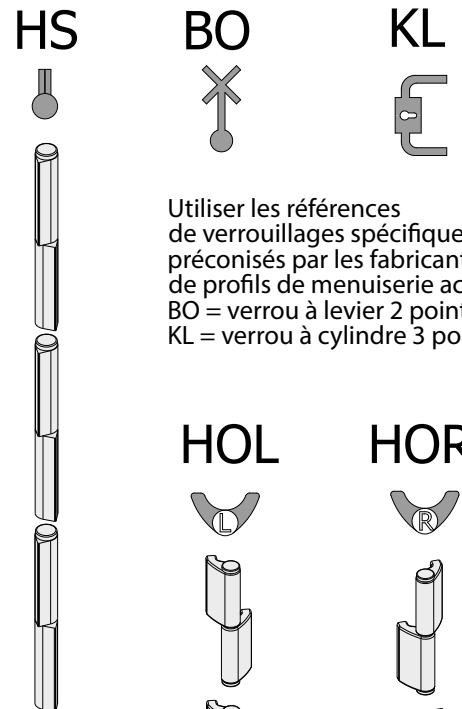
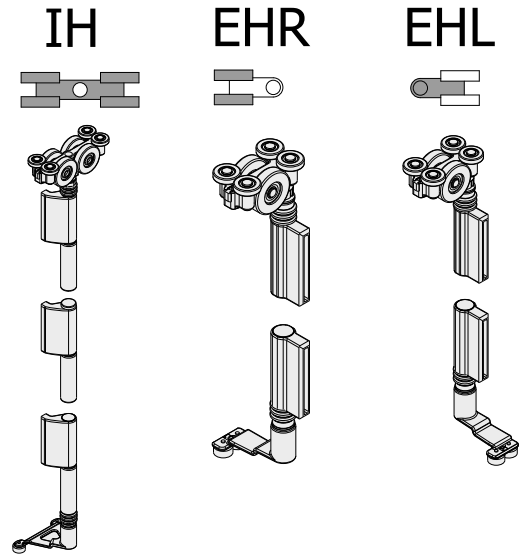
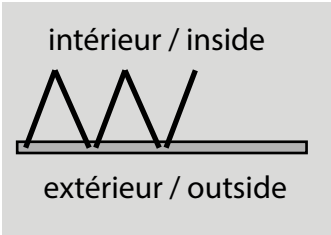
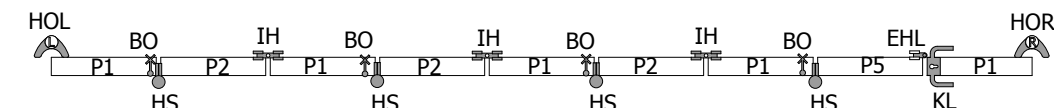
7



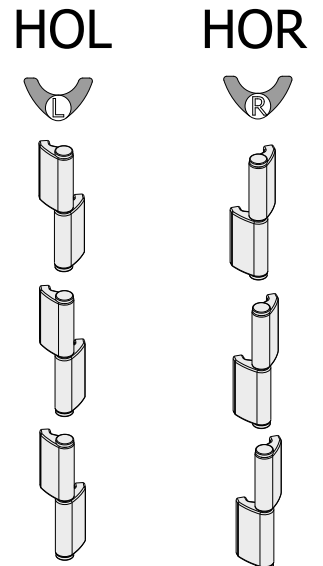
7+1



8+1



Utiliser les références de verrouillages spécifiques préconisés par les fabricants de profils de menuiserie acier
BO = verrou à levier 2 points
KL = verrou à cylindre 3 points

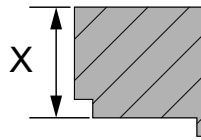


DORMANT - FIXED SASH

C-C

X = Epaisseur de dormant

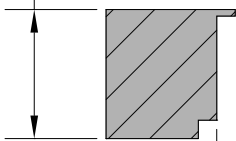
X = Fixed sash thickness



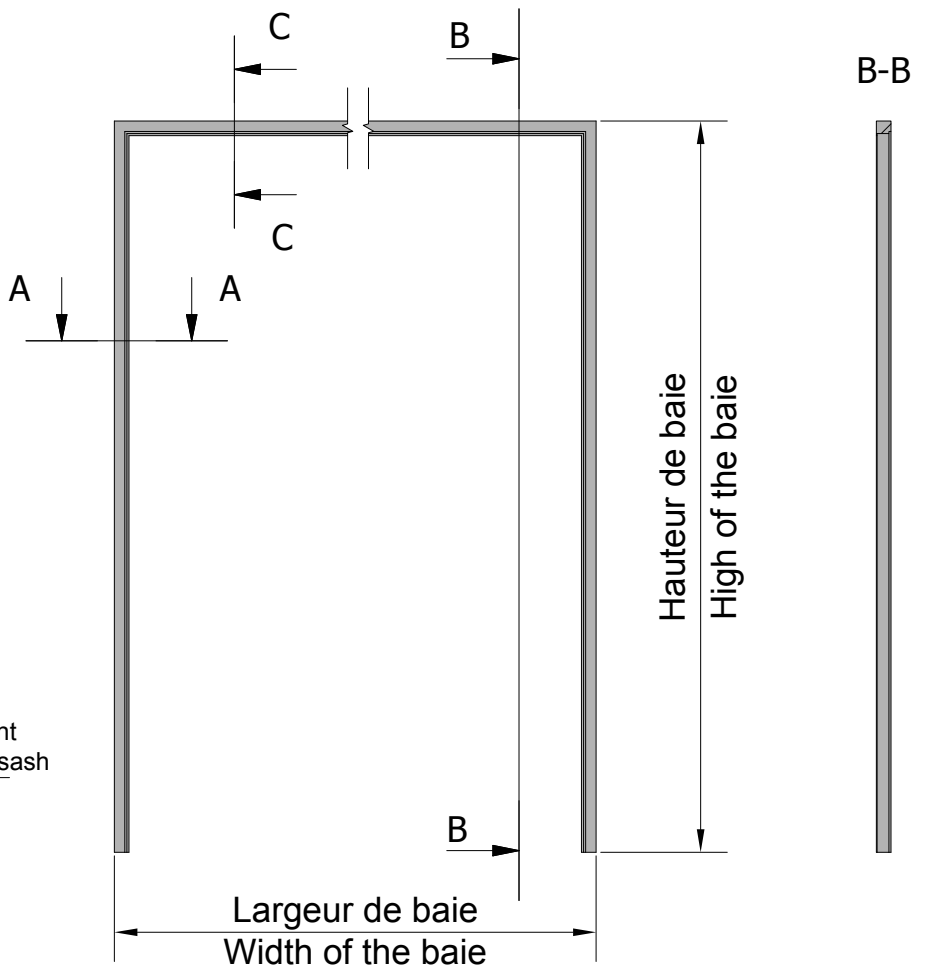
X	90 mm	60 mm MAX

Epaisseur panneau
Panel thickness
50 --> 100 mm

A-A

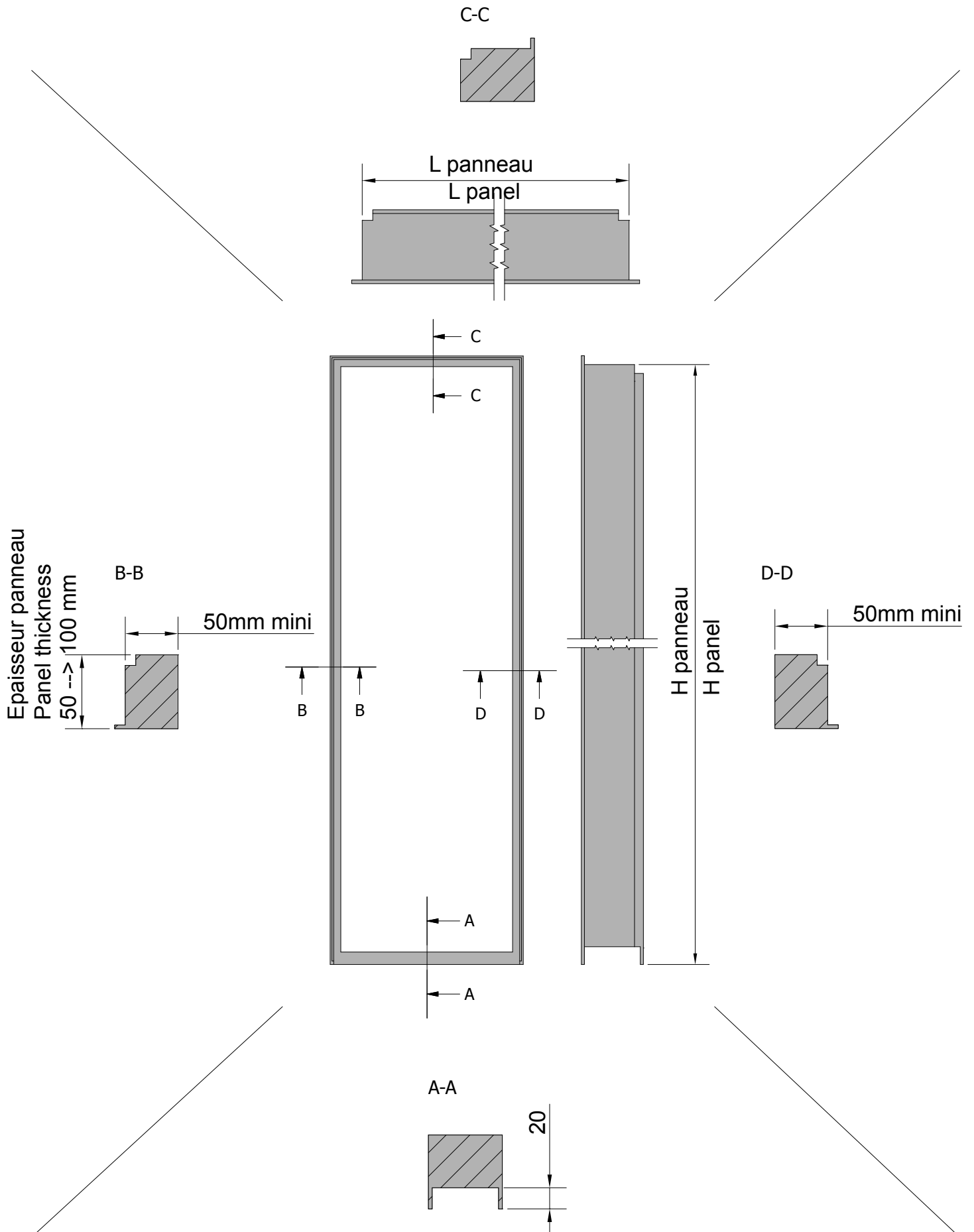


Largeur de dormant
Width of the fixed sash
30 mini



suivant votre configuration
suitsing your configuration

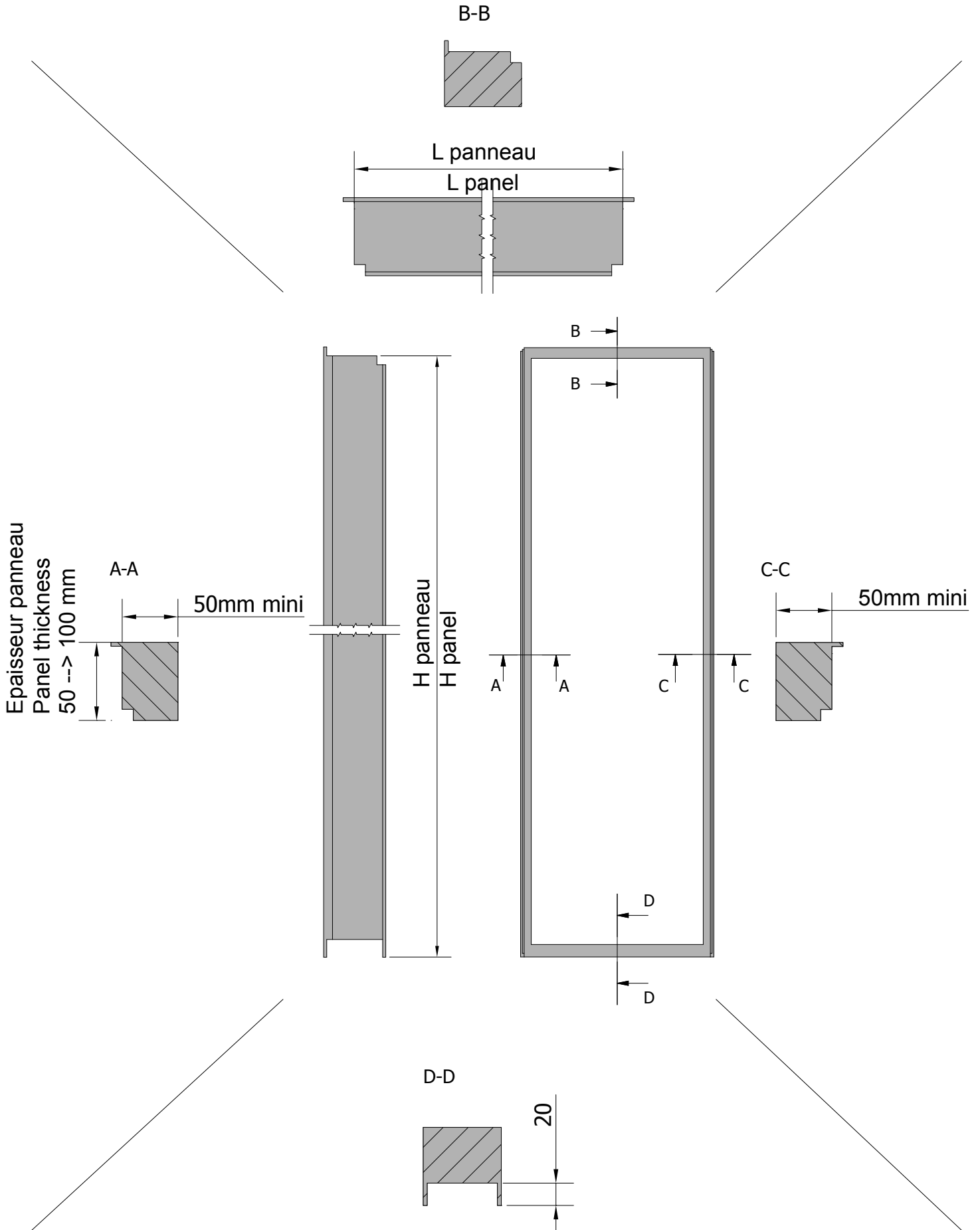
P1



Épaisseur de verre : de 24 à 50 mm

suivant votre configuration
suitsing your configuration

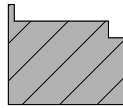
P2



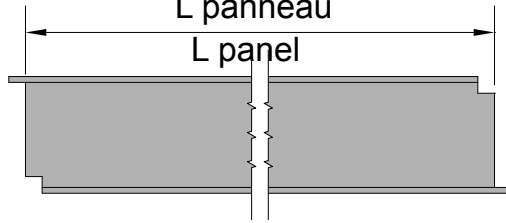
suivant votre configuration
suiting your configuration

P3

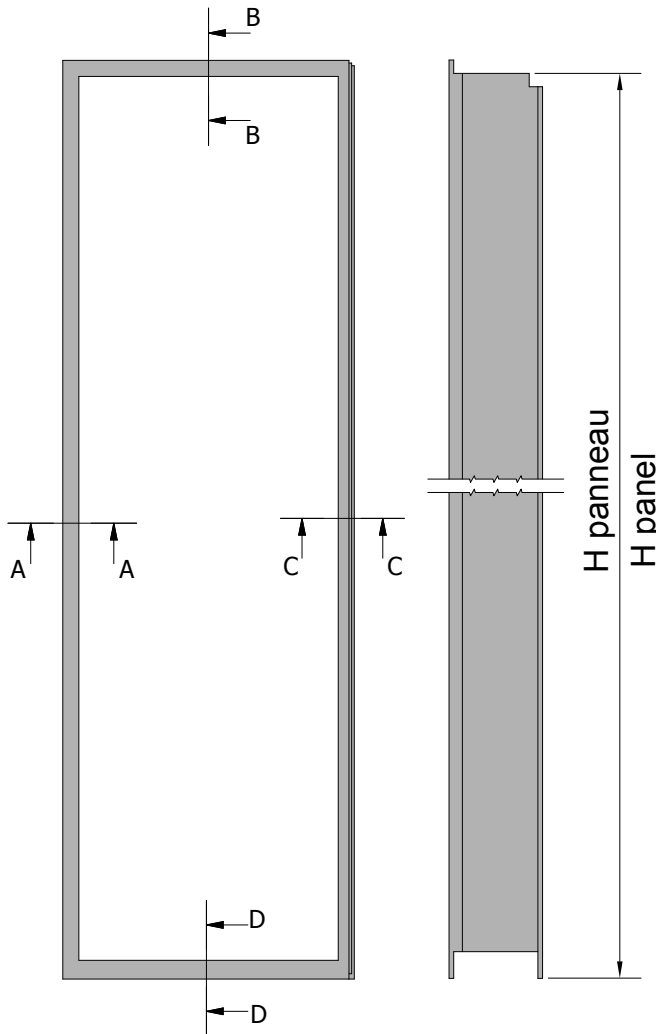
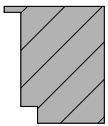
B-B



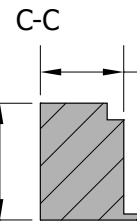
L panneau
L panel



A-A

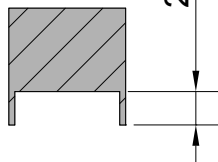


Epaisseur panneau
Panel thickness
50 --> 100 mm



50mm mini

D-D

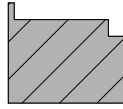


Épaisseur de verre : de 24 à 50 mm
Glass thickness : 24 to 50 mm

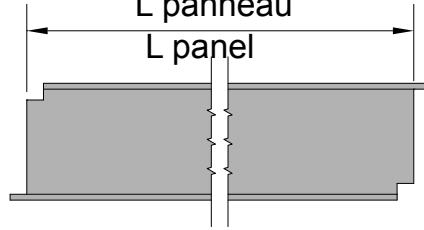
suivant votre configuration
suitsing your configuration

P4

B-B

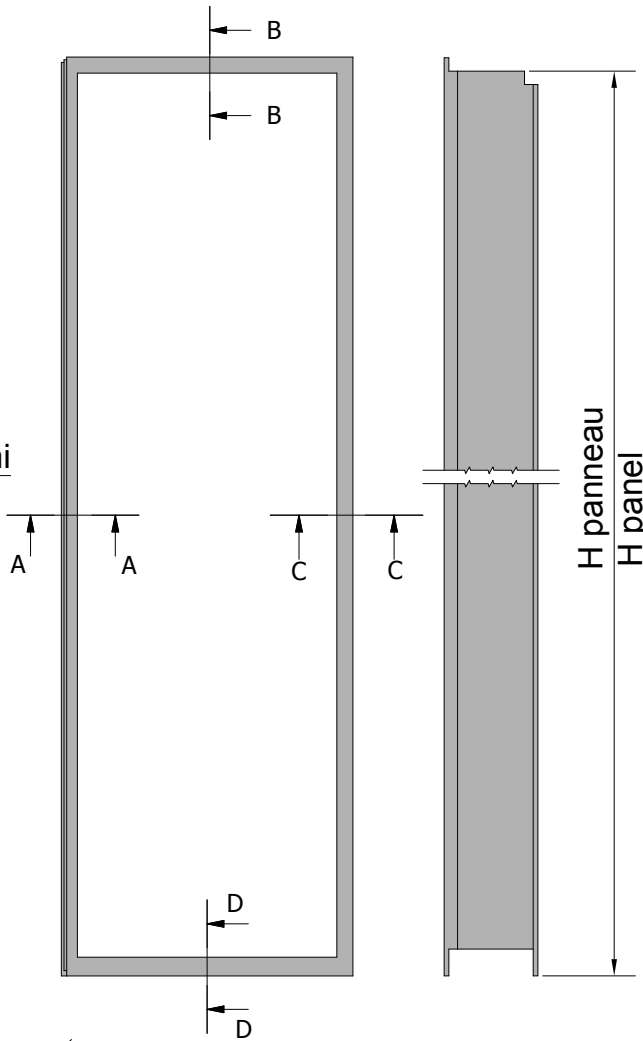
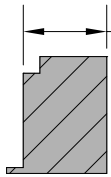


L panneau
L panel



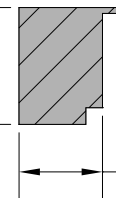
A-A

50mm mini



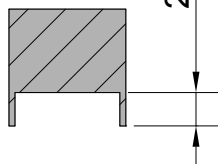
Epaisseur panneau
Panel thickness
50 --> 100 mm

C-C



50mm mini

D-D

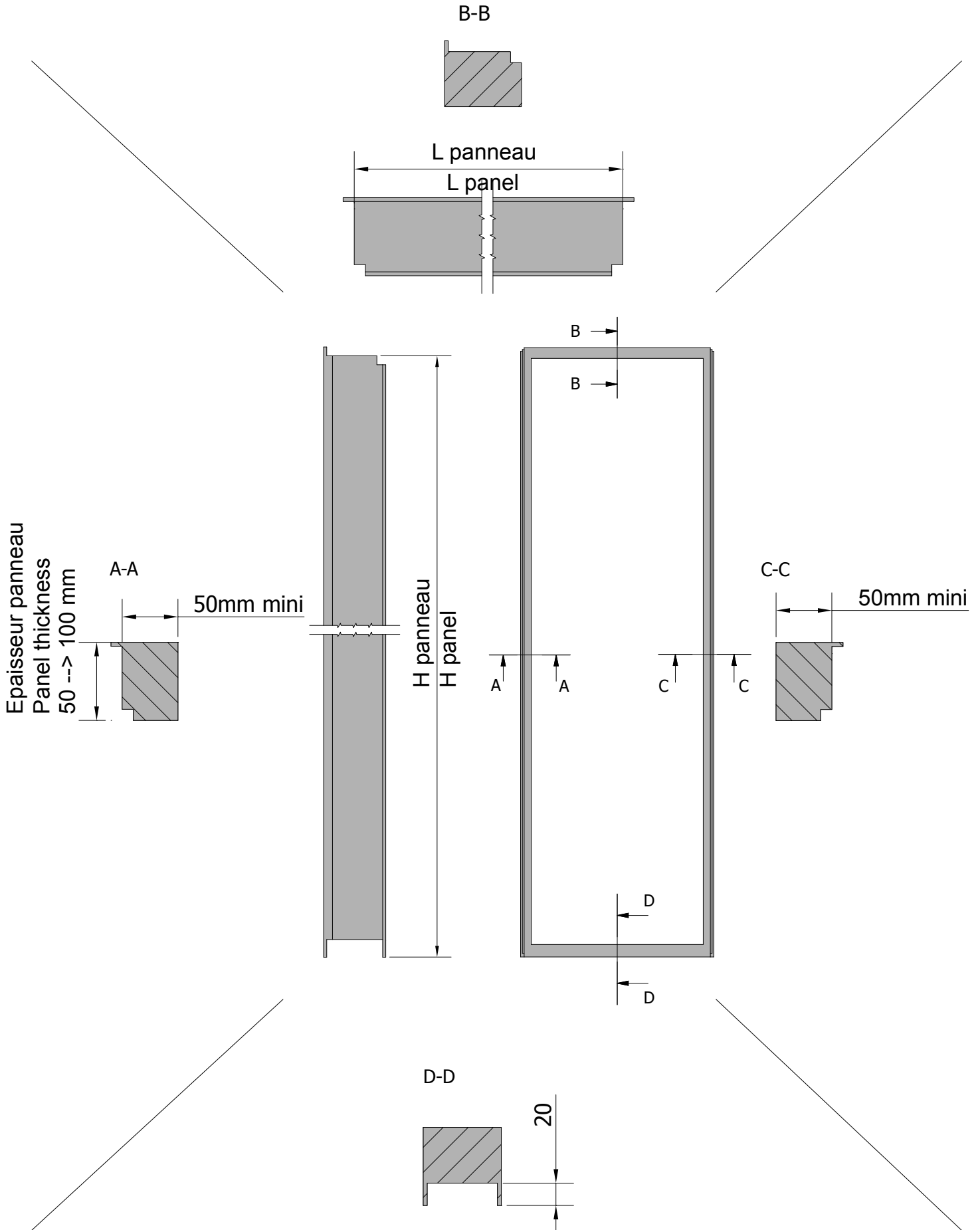


20

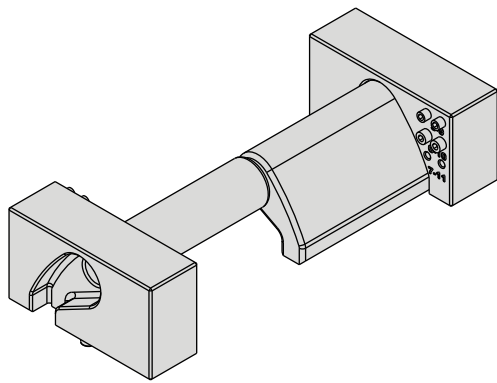
Épaisseur de verre : de 24 à 50 mm
Glass thickness : 24 to 50 mm

suivant votre configuration
suitsing your configuration

P5



POSE DES PAUMELLES A SOUDER FIXING OF THE WELD-ON-HINGES

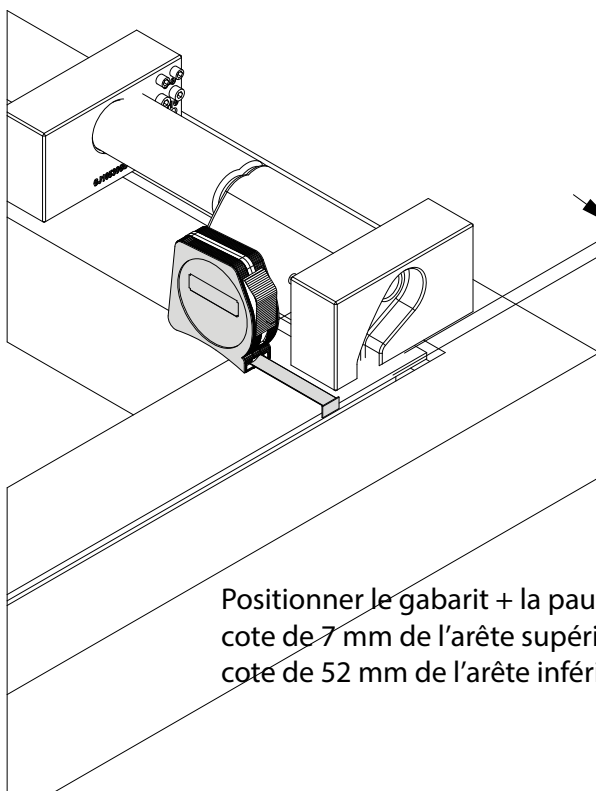
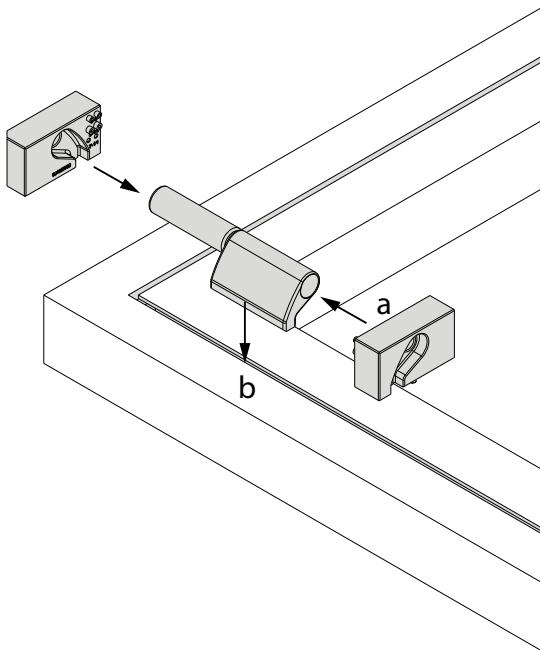
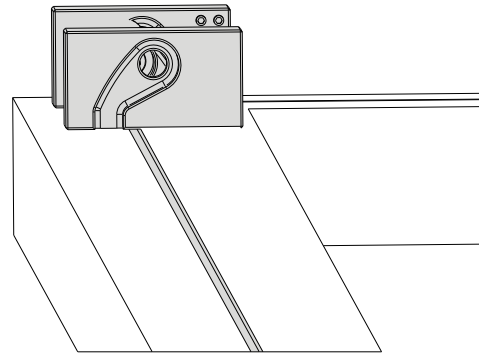


Positionner la paumelle à souder avec les gabarits de soudage GJ10530GS-1 / GJ10530GS-2 / GJ10530GS-4

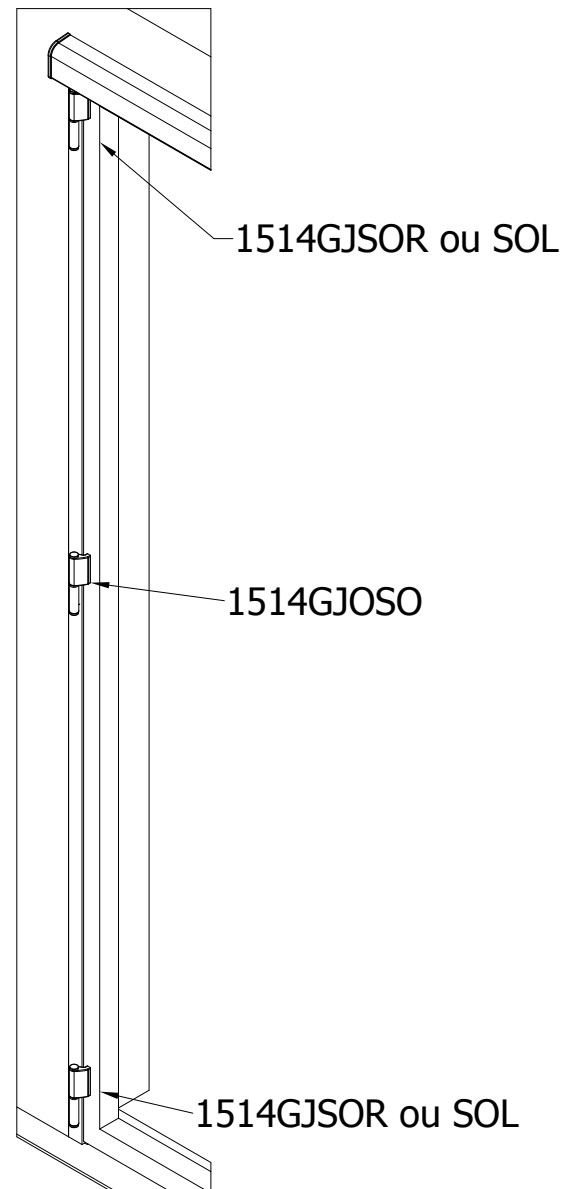
Position the weld-on hinge using the welding jig GJ10530GS-1 / GJ10530GS-2 / GJ10530GS-4

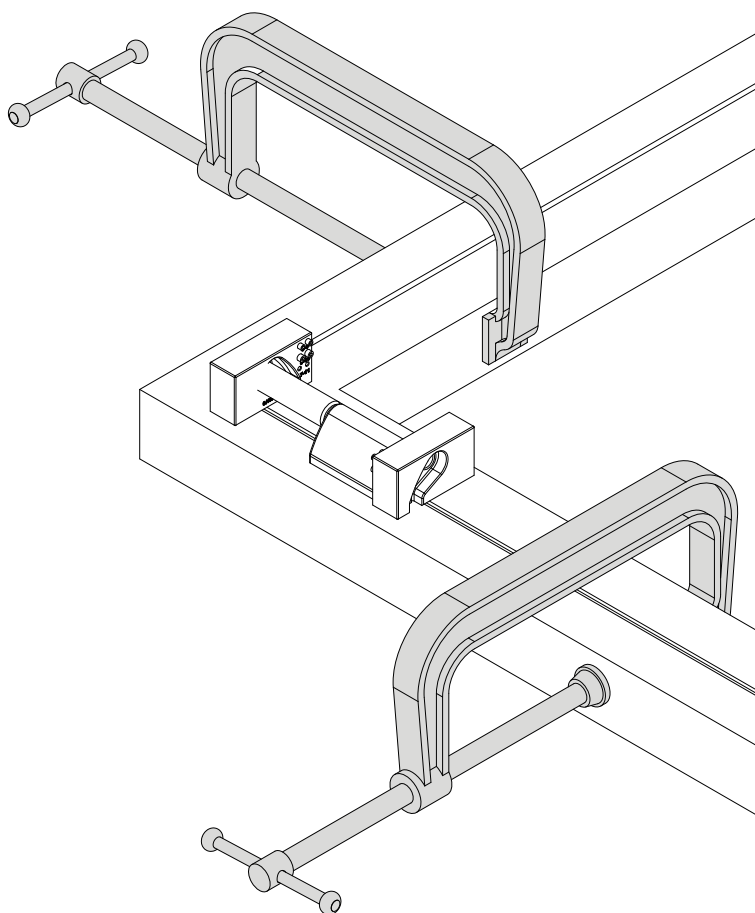
Anschweisslehren GJ10530GS-1 / GJ10530GS-2 / GJ10530GS-4 auf das Band stecken.

Réglage selon inter panneau



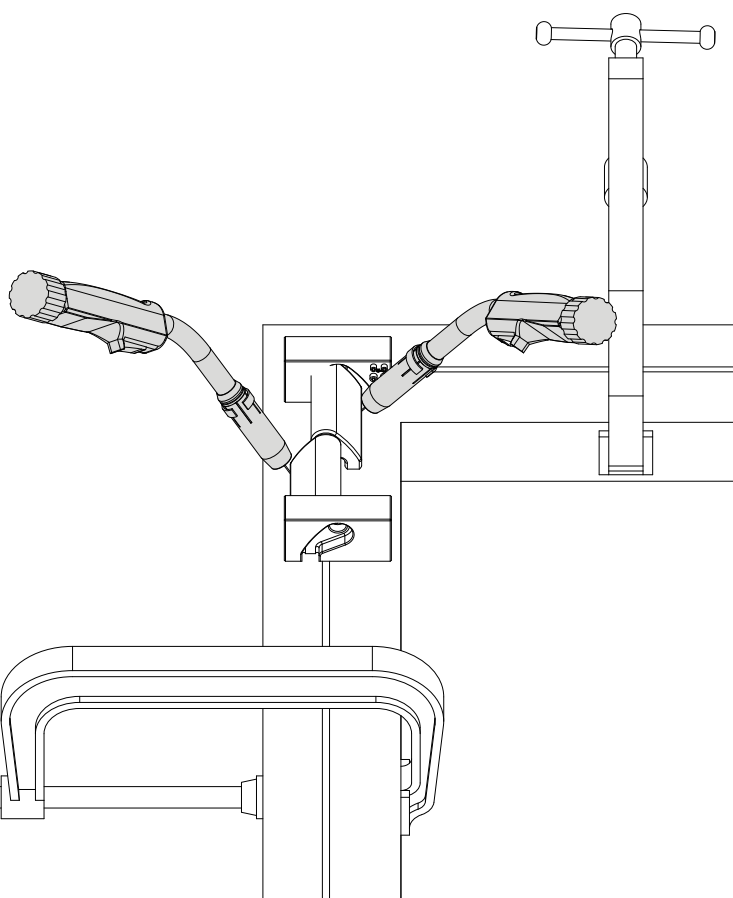
Positionner le gabarit + la paumelle :
cote de 7 mm de l'arête supérieur du vantail
cote de 52 mm de l'arête inférieur du vantail





Placer une câle d'épaisseur de la valeur de la lame d'air entre le dormant et la porte supérieur du cadre vantail.

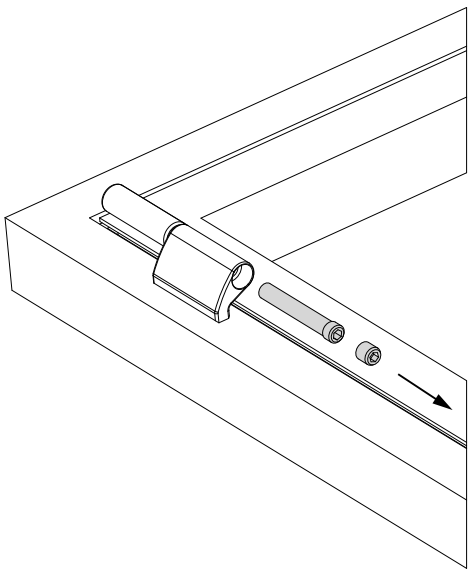
Fixer le cadre dormant et le vantail avec des éléments de serrage.



Fixer les paumelles par deux points de soudure sur un coté.

Fix the hinge components with two adhesion points to the frame components.

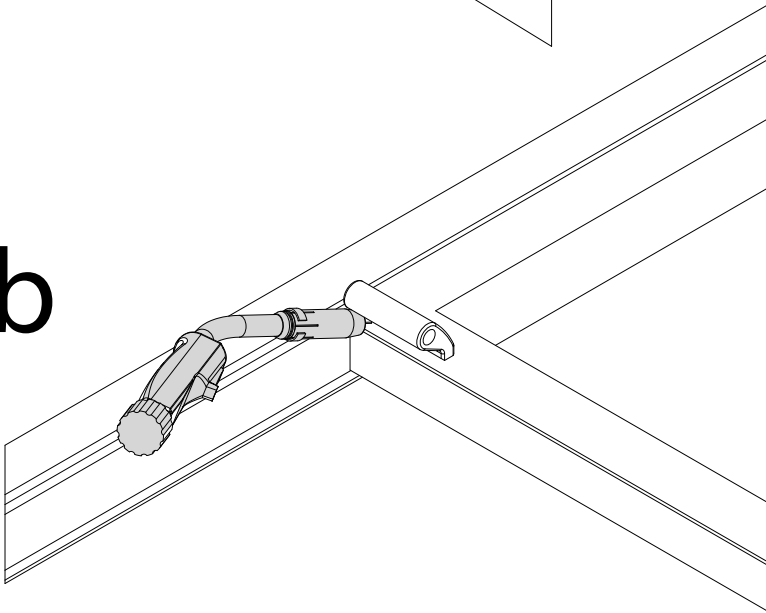
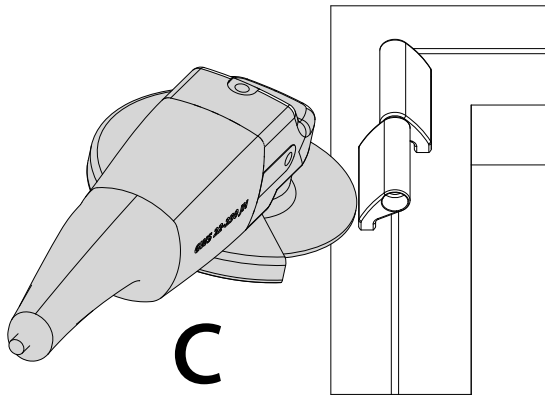
Die Bandteile jeweils mit zwei Haftpunkten an den Rahmenteilen fixieren.

a

Desserrer les éléments de serrage et enlever avec précaution le cadre de vantail.
Souder horizontalement les paumelles sur la face opposée à celle portant les 2 points de soudure.

Detach clamp and carefully remove the leaf frame.
On the outer and leaf frame, continuously weld the weld-on hinges to the opposite side of the edge with the adhesion points.

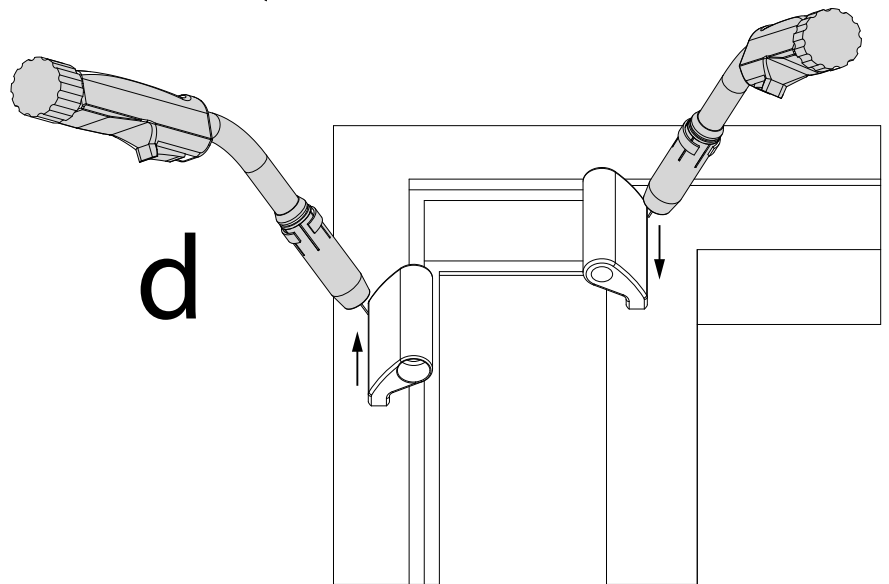
Klemmen lösen und Flügelrahmen vorsichtig aushängen.
Anschweissbänder auf der Haftpunkt-Gegenseite bei Blend- und Flügelrahmen durchgehend verschweissen.

b**c**

Meuler ensuite les 2 points de soudure .

Remove the adhesive points from the outer and leaf frame.

Die Haftpunkte auf den Blend- und Flügelrahmen abschleifen.

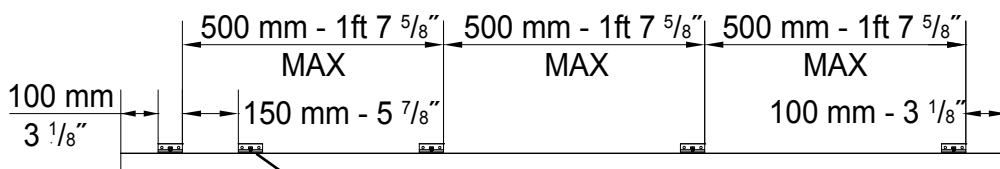
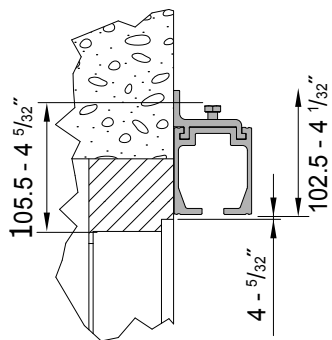
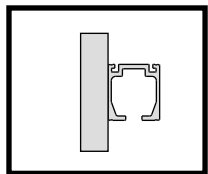
d

Souder horizontalement les paumelles à souder sur la face portant les 2 points de soudures.

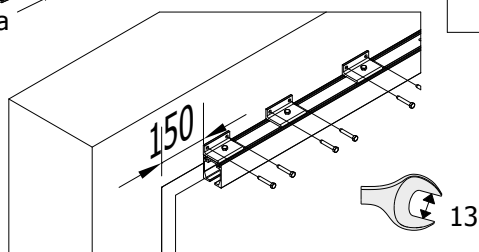
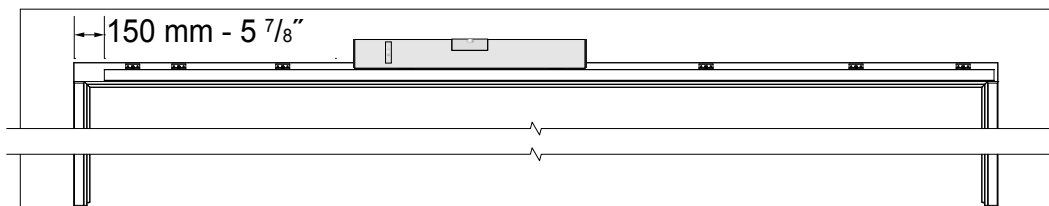
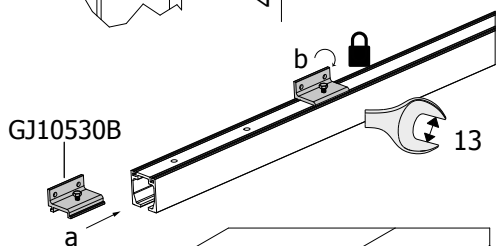
On the outer and leaf frame, continuously weld the weld-on hinges to the side with the adhesion points.


Anschweissbänder auf der Haftpunktseite bei Blend und Flügelrahmen durchgehend verschweissen.

FIXATION DU RAIL HAUT - FIXING OF THE UPPER TRACK



support supplémentaire dans la zone de stockage
 supplementary support on the pushback side
 Doppelte Trägeranzahl auf der Öffnungsseite anbringen

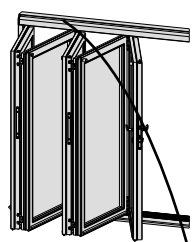
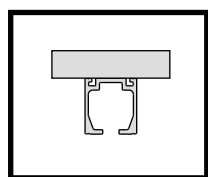




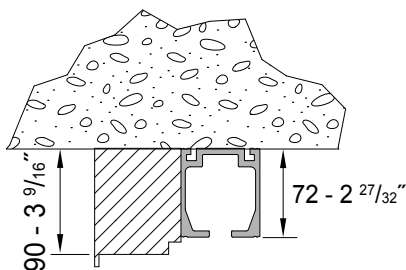
il est recommandé de bien nettoyer l'intérieur des profils

it is recommended that the inside of the tracks be correctly cleaned

die Innenseiten der Profi le gut zu reinigen



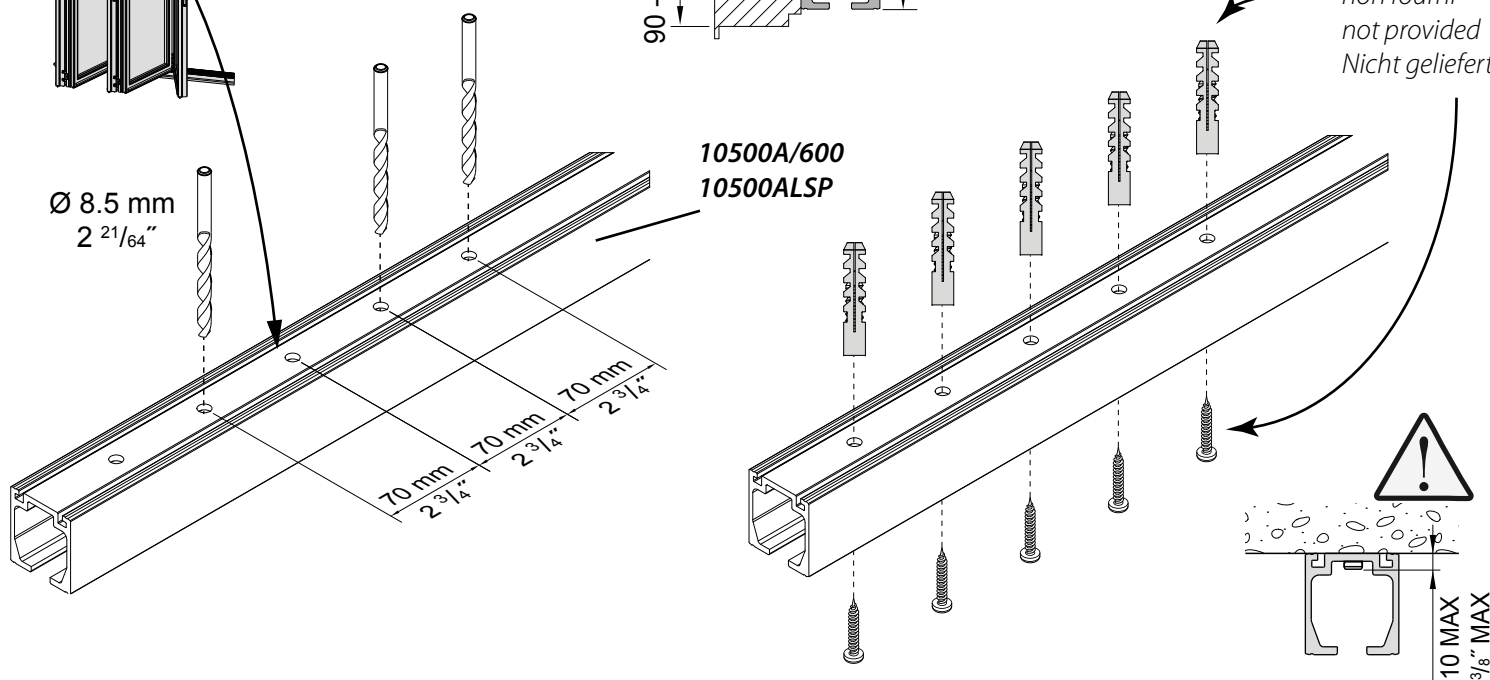
**ZONE DE STOCKAGE
 PUSHBACK SIDE**



Ø 8.5 mm
 2 21/64"

**10500A/600
 10500ALSP**

*non fourni
 not provided
 Nicht geliefert*

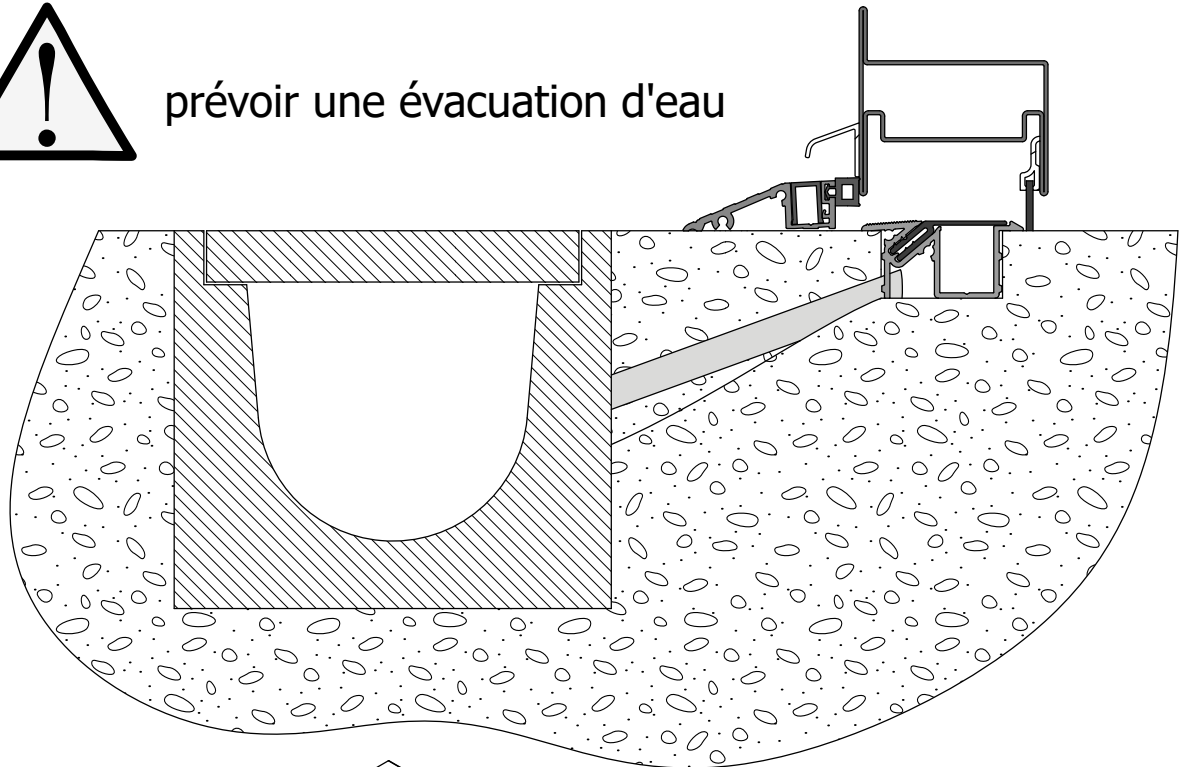


10 MAX
 3/8" MAX

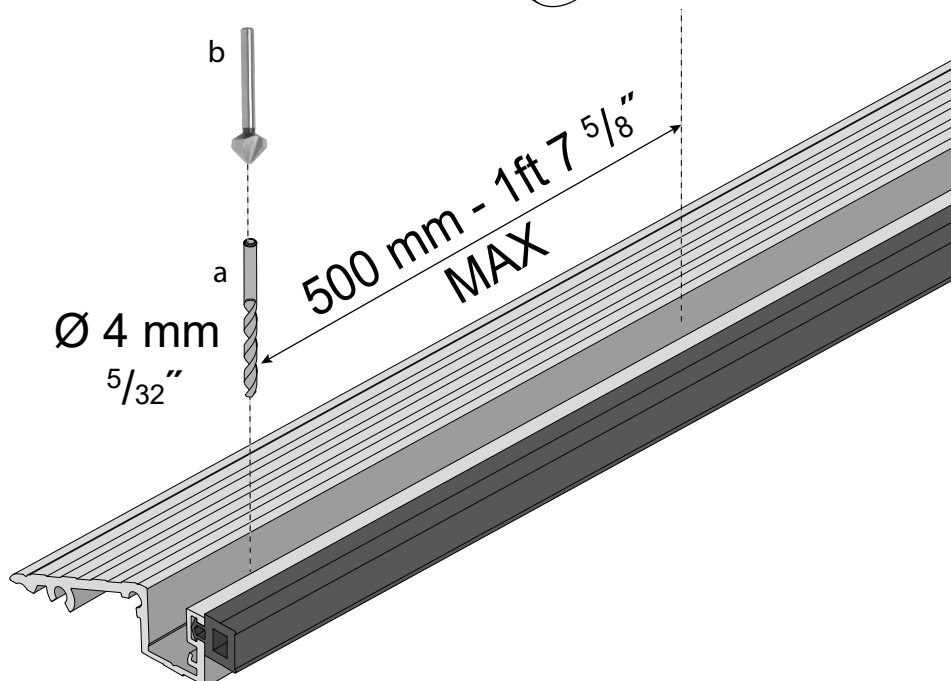
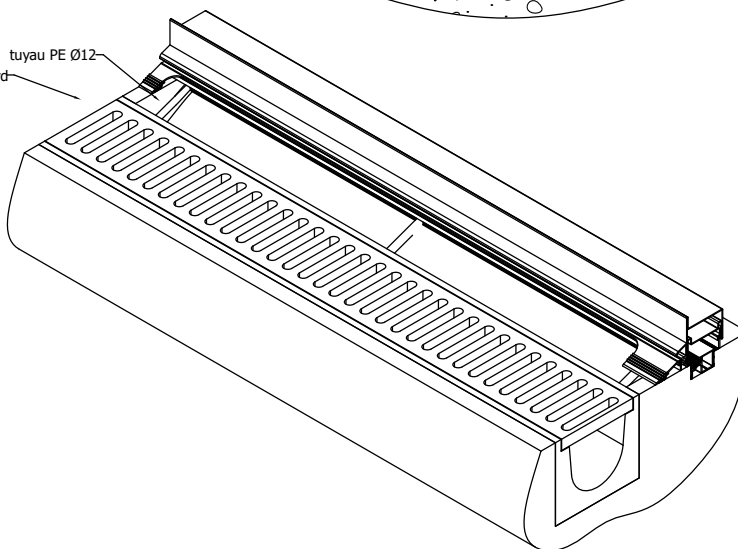
FIXATION DU RAIL BAS - FIXING OF THE LOW TRACK



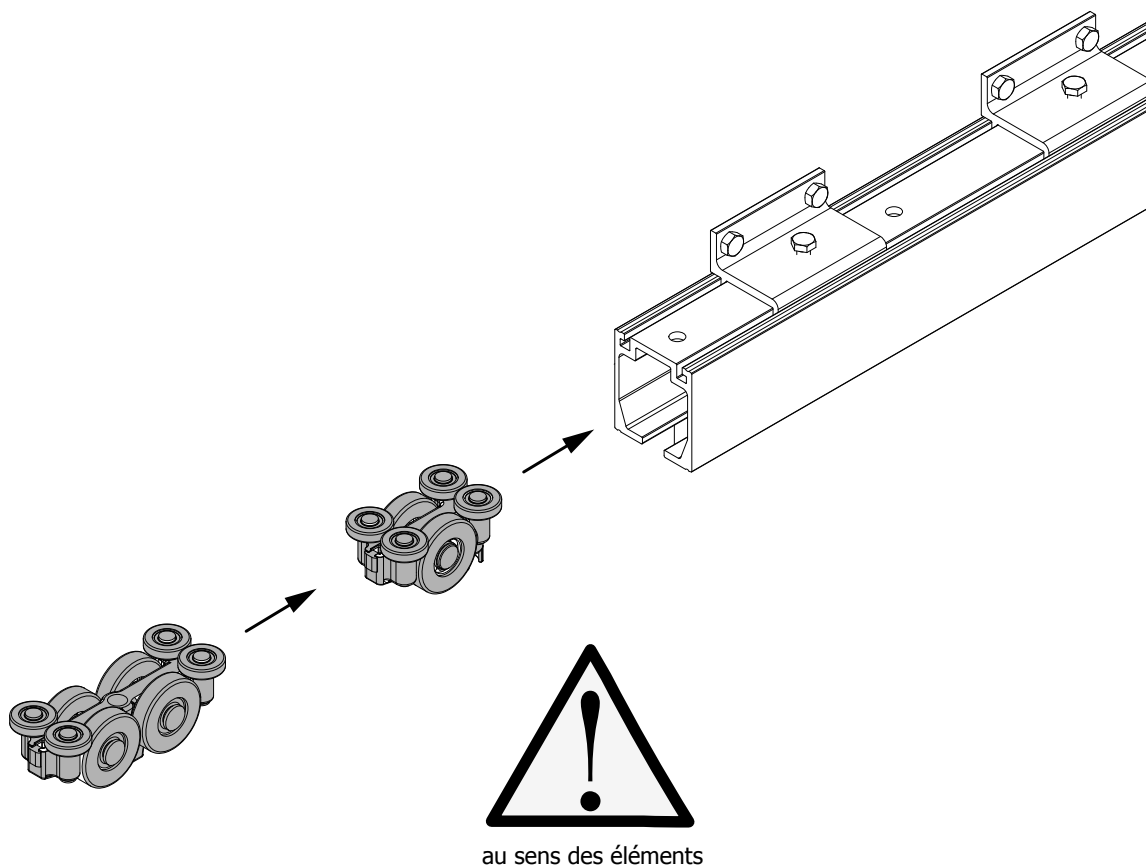
prévoir une évacuation d'eau



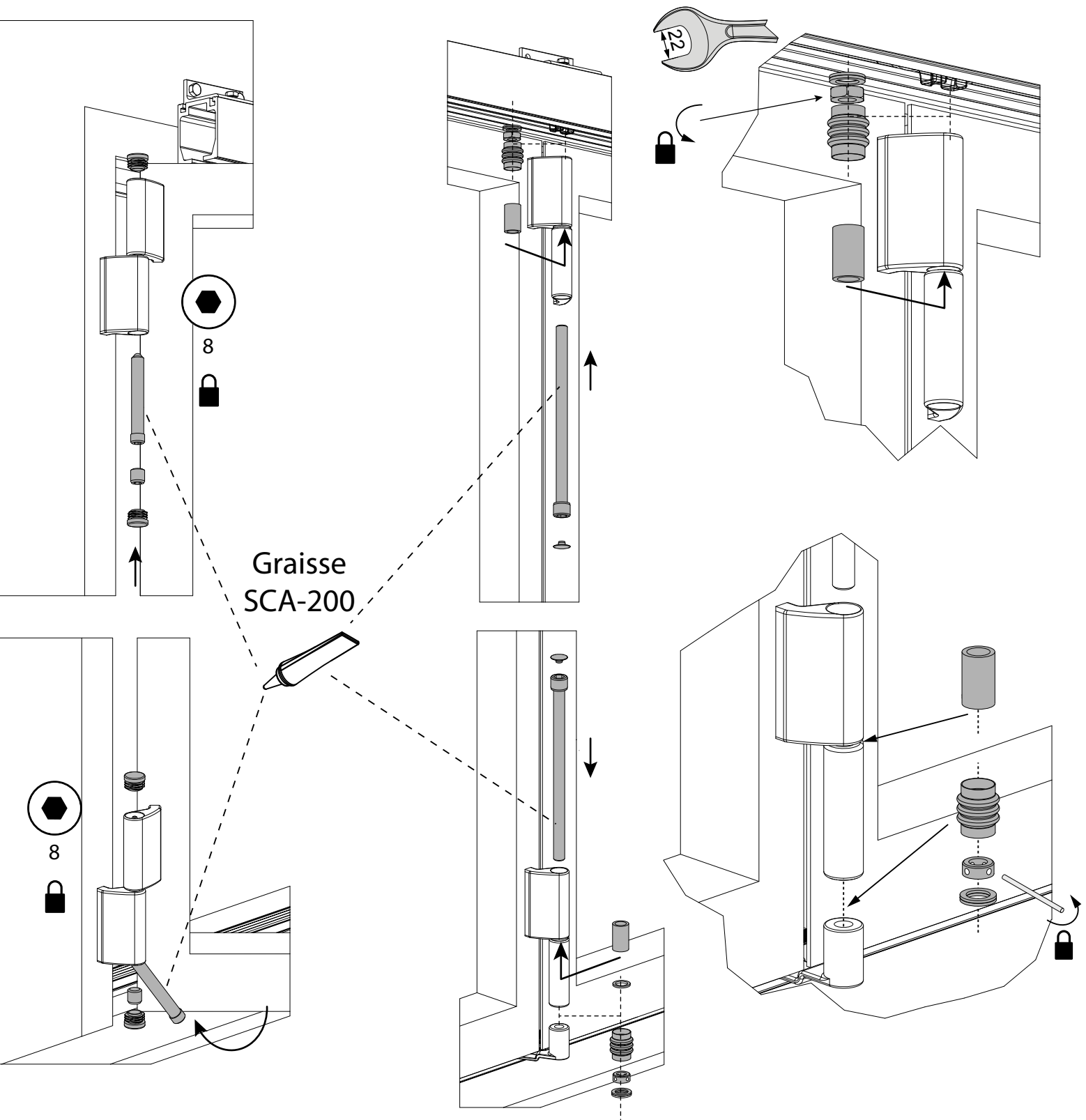
Caniveau standard



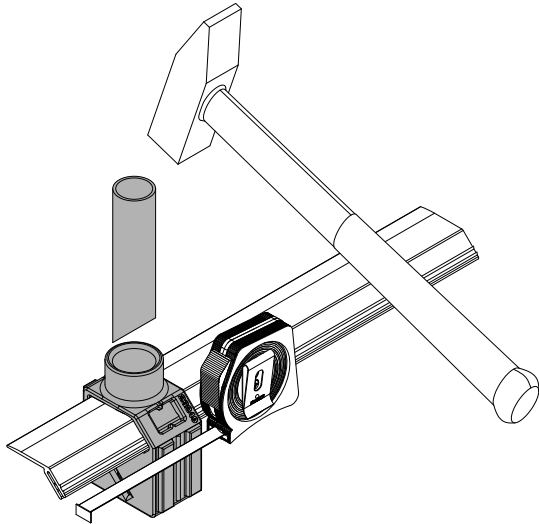
ÉQUIPEMENT DES RAILS - EQUIPMENT OF TRACKS



MONTAGE DES PANNEAUX - ASSEMBLY OF PANELS

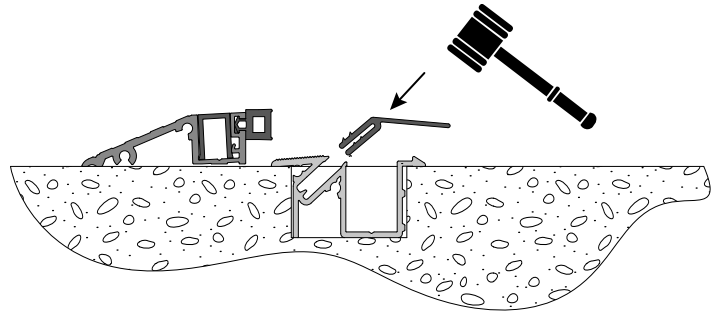


MISE EN PLACE DU JOINT CACHE POUSSIERE MOUNTING OF THE DUST CAP ON THE THRESHOLD

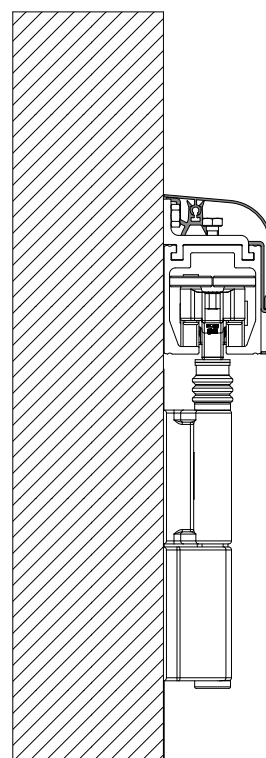
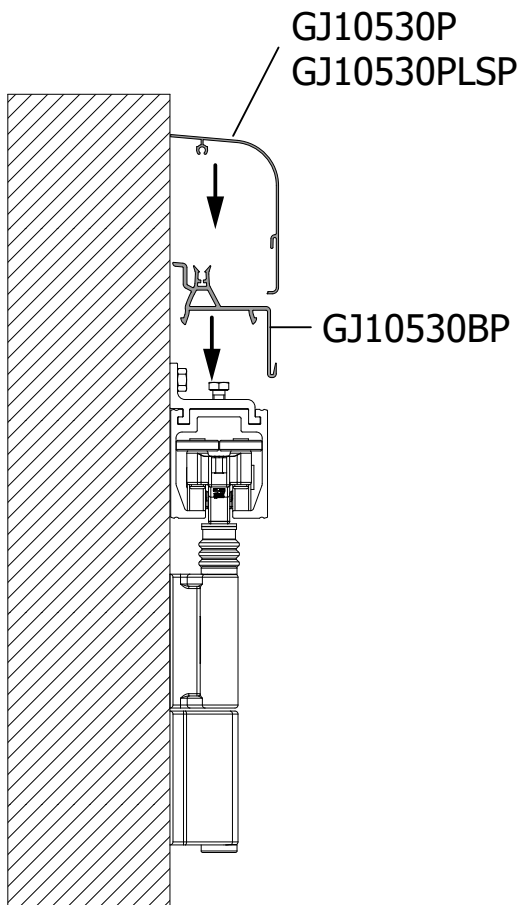


découpe avec outil
GJ10530GS-6
pour passage des pènes

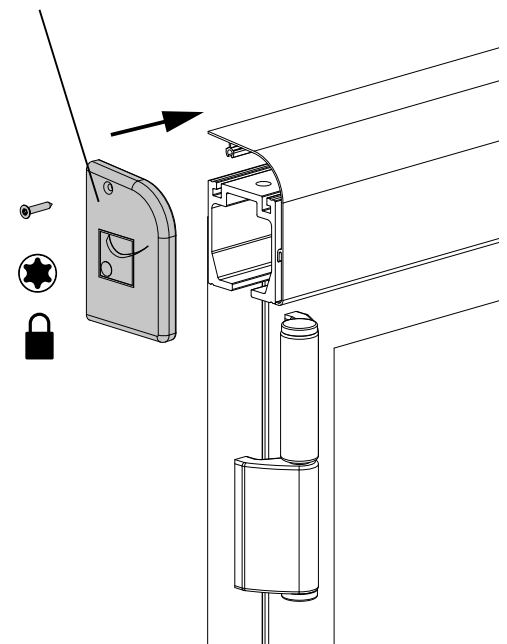
Montage au maillet
GH10430DC



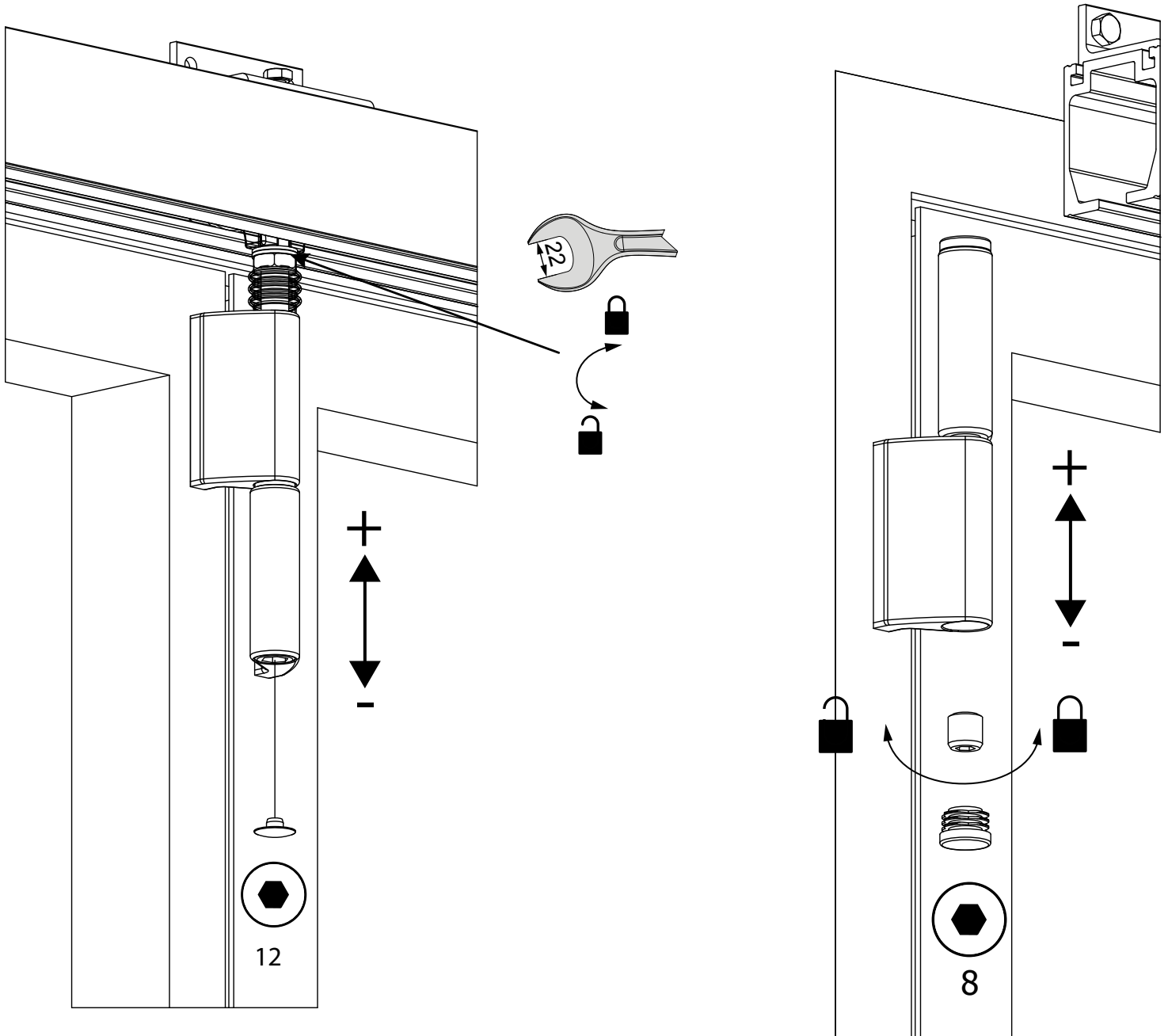
MONTAGE DU BANDEAUX - ASSEMBLY OF THE PELMET



GJ10530EN



REGLAGES - ADJUSTMENTS



a) deverrouillage à l'aide d'une clé de 22

b) réglage clé BTR 12

c) verrouillage

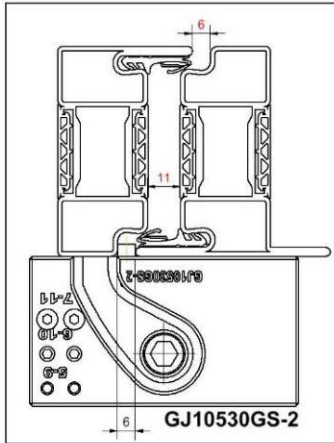


graisser toutes les charnières après montage à l'aide d'une pompe à graisse

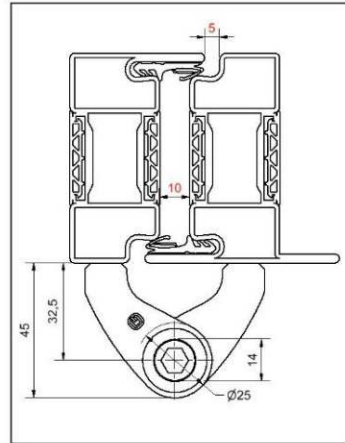


Mise en place paumelles à souder

Mise en place des paumelles à souder



Avant soudure (6mm)

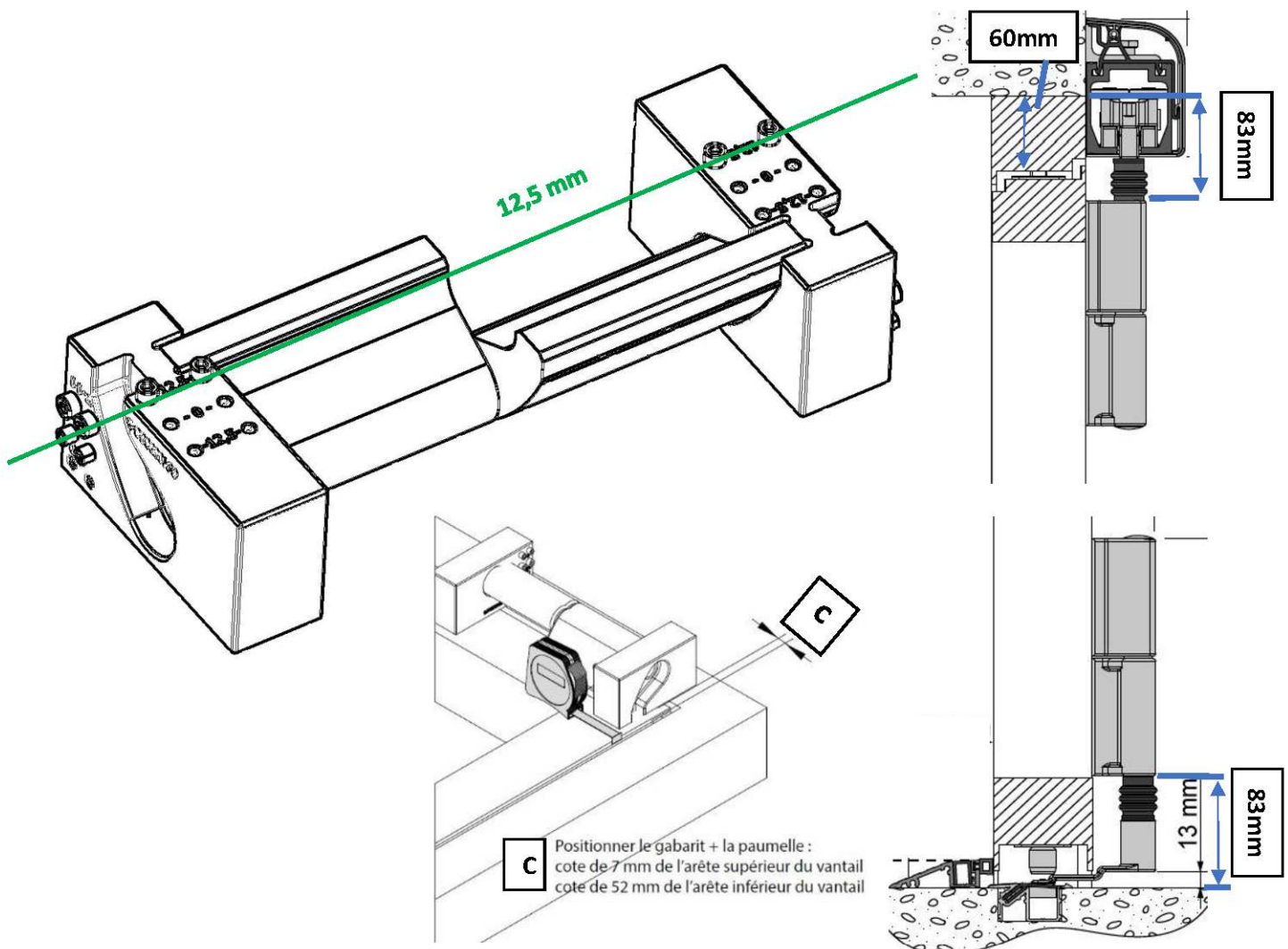


Après soudure (5mm)

Informations

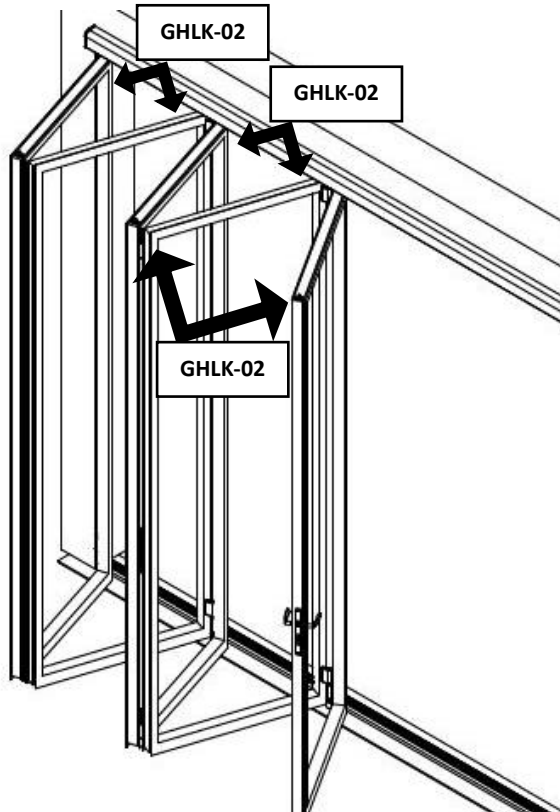
Les charnières à souder contenues dans les garnitures **GJ10530SOL**, **GJ10530SOR**, **GJ10530IH** doivent être installées à l'aide des gabarits de soudage **GJ10530GS-2**. L'ordre et la direction de soudage doivent être strictement suivis afin d'éviter des déformations dues à l'influence des hautes températures qui se produisent pendant le soudage.

Conseils importants sur la manipulation des gabarits de soudage : Les gabarits de soudage ont des entretoises de différents \varnothing et plusieurs positions d'implantation possible. Pour les profils UNICO, il faut utiliser les entretoises $\varnothing 6$ mm en les mettant sur les positions 12,5 (voir vue ci-dessous). Les gabarits de soudage sont utilisés uniquement pour le pointage des paumelles. Il faut ensuite l'enlever. En raison du rétrécissement causé par la chaleur lors du soudage, le jeu absorbera la distance excessive de 1 millimètre. Ne pas mettre d'entretoise entre la feuillure du profil.





Mise en place aimants de maintien réf. GHLK-02



Informations

Les aimants de maintien **GHLK-02** sont à positionner suivant les schémas ci-contre. Ils assurent le maintien en position et la cote d'écartement des portes en positions pliées.

Composition des kits :



Pour la fixation des aimants, utiliser soit les vis M5 fournies en taraudant directement dans le vantail, soit des vis à tôle auto-perforantes (non fournies).

1- Fermer la baie repliable

2- Tracer le point de fixation sur le 1^{er} vantail, 3cm en vertical et 1cm en horizontal.

3- Percer

4- Mettre en place le support d'aimant

5- Mettre en place la vis de blocage de rotation (Clé BTR 1,5mm non fournie)

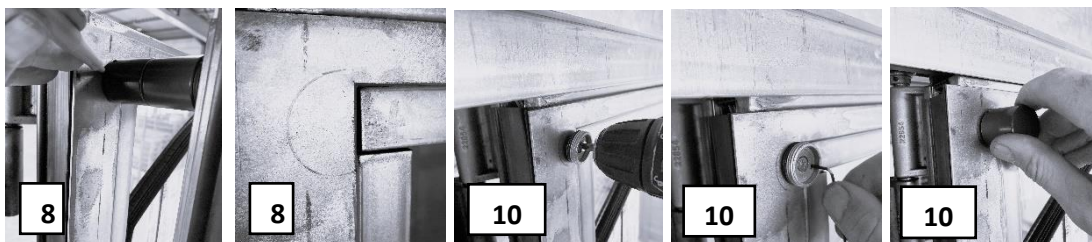
6- Visser l'aimant avec le deuxième aimant posé sur le premier.

7- Replier les vantaux

8- Tracer la position du deuxième aimant sur le vantail N°2

9- Refermer la baie

10- Sur le vantail N°2, réaliser à nouveau les opérations 1,2,3,4 et 5 mettre en place le 2^{ème} aimant.



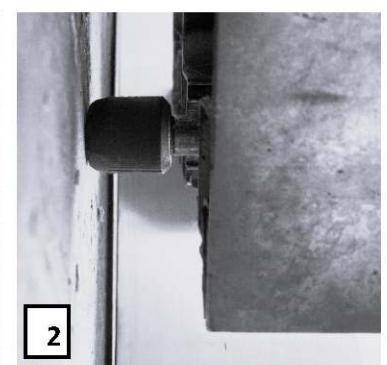
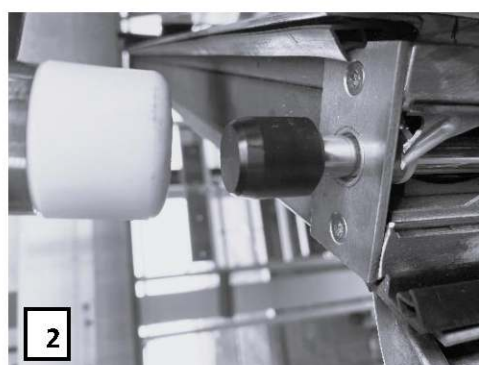
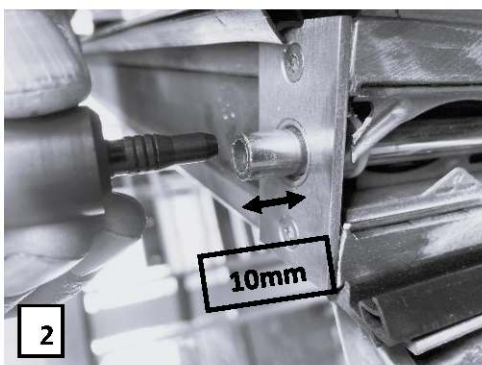
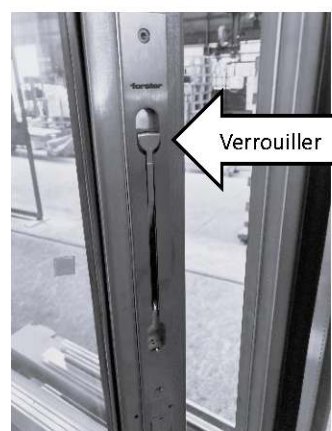
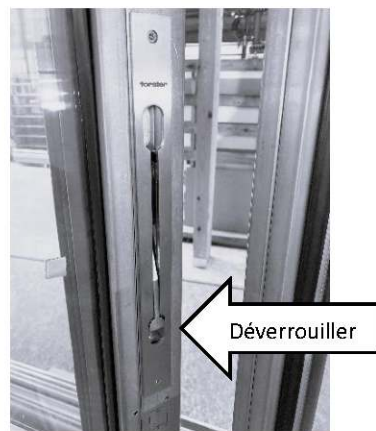


Mise en place des pènes de verrou 2 points : GJ10530FO

Informations

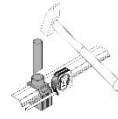
Pour le verrouillage partie haute, utiliser le montage standard FORSTER (photos 1).

Pour le verrouillage bas, couper la tige inférieure FORSTER à la cote indiquée (+10mm en position déverrouiller), monter le pêne GJ10530FO. (Photos 2)



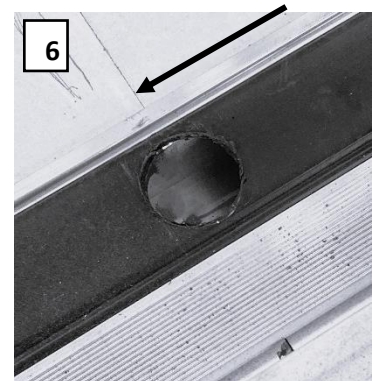
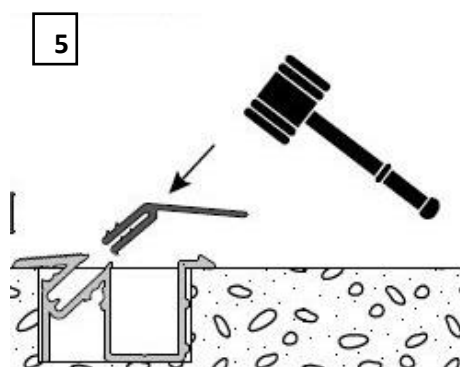
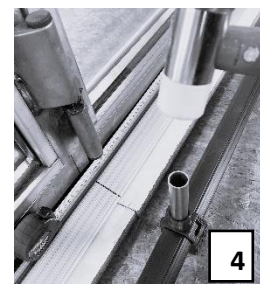
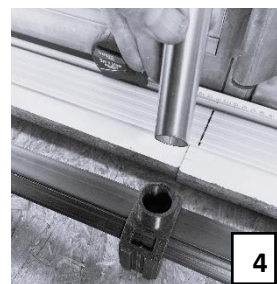
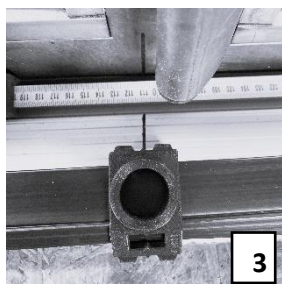
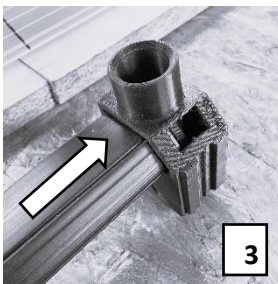
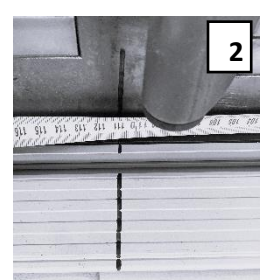
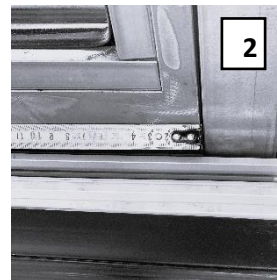
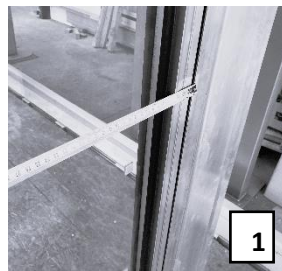
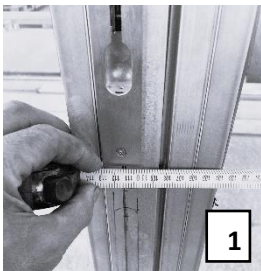


Poinçonnage du joint cache poussière GH10430DC



Informations

- 1 Prendre la cote de la position de l'axe de verrou.
- 2 Tracer cette cote sur le profil de guidage bas.
- 3 Glisser le joint cache poussière dans le gabarit GJ10530GS-6 en le positionnant à la cote prise pour l'axe de serrure.
- 4 Poinçonner le joint à l'aide de l'outil « emporte pièce » et d'un maillet.
- 5 Mettre en place le joint cache poussière sur le profil de guidage à l'aide d'un maillet et d'une cale de frappe en partant du pied du dormant.
- 6 vérifier que la cote poinçonnage du verrouillage est correcte après montage du joint.





Montage du seuil de porte GHPG16



Informations

1 Couper le profil GHPG16 ainsi que le joint carré et le profil en plastique rigide à la longueur de la baie.

2 Positionner le profil à une distance de 8mm de la baie repliable fermée.

3 Fixer le profil au sol, une vis tous les 700mm.

4 Mettre en place le joint d'étanchéité carré en le lubrifiant avec de l'eau savonneuse.

5 Mettre en place le profil cache vis en l'emboîtant dans son logement.

