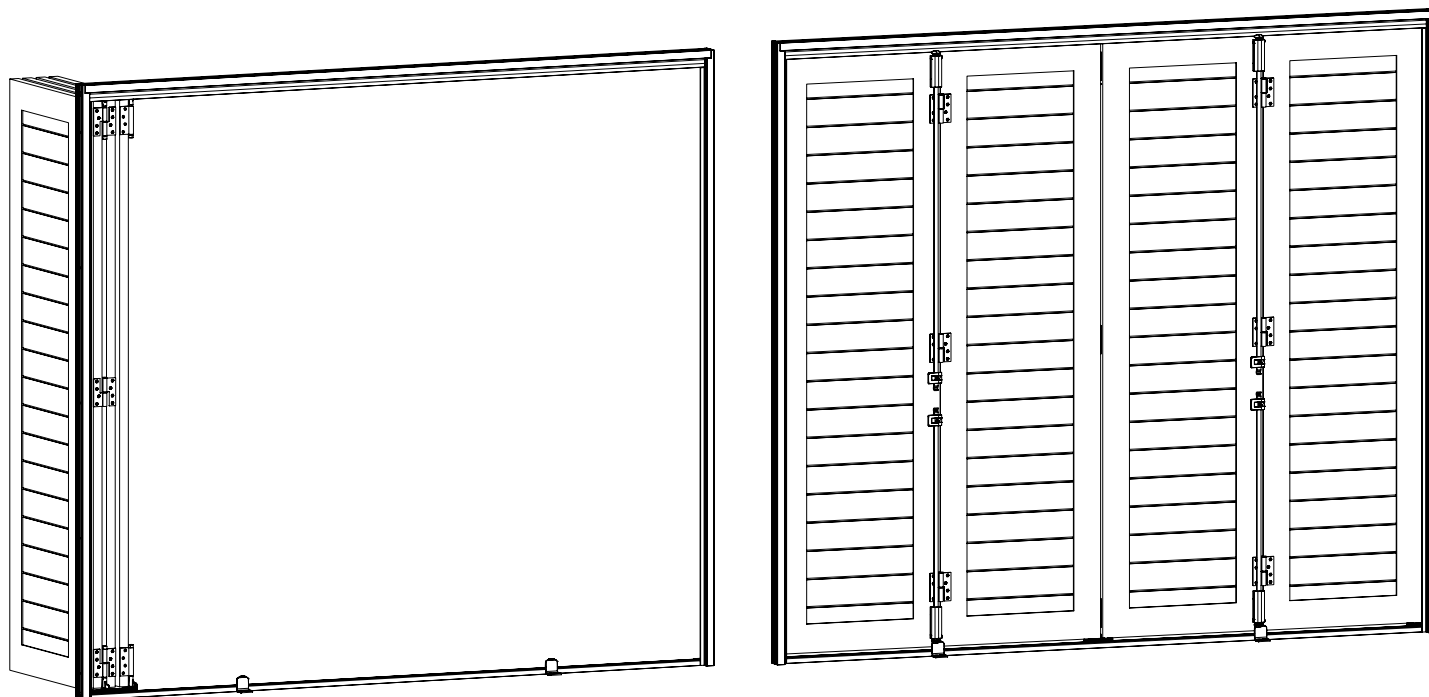




Notice de pose



Vues de l'intérieur



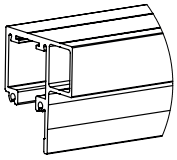
A115014

Gamme VCP300

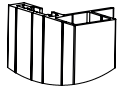
Ferrures pour volets coulissants pliants
Pour configurations 4+0 ou 0+4

Composants

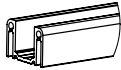
PROFILS & ACCESSOIRES POUR PRECADRE ALUMINIUM



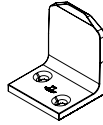
A VR10906



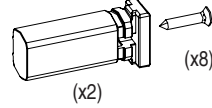
B VR10917



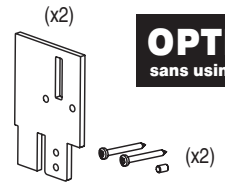
C VR10926



D VR10930



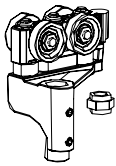
E VR10830



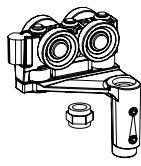
T VR10918

OPTION
sans usinage CN

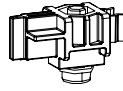
GUIDAGE HAUT



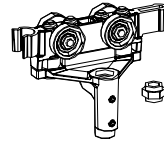
F1 VR10100G



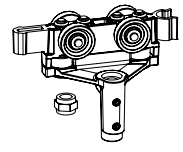
F2 VR10200D



G VR10300

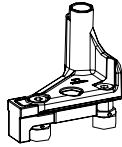


H1 VR10700G

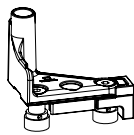


H2 VR10600D

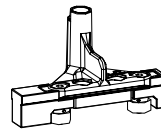
GUIDAGE BAS



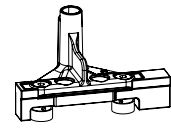
I1 VR10400G



I2 VR10500D

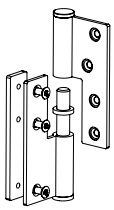


J1 VR10800G

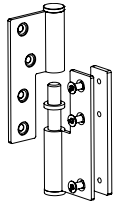


J2 VR10801D

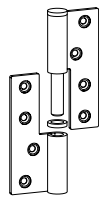
LIAISONS PROFILS / VANTAUX



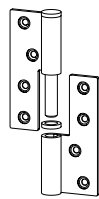
K1 VR10821G



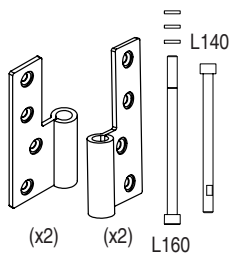
K2 VR10822D



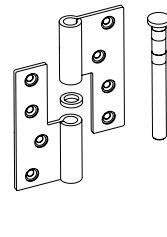
L1 VR10809G



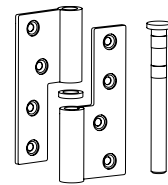
L2 VR10810D



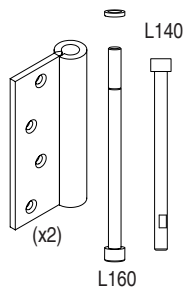
M VR10828



N1 VR10816G

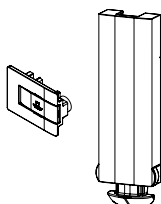


N2 VR10817D



O VR10818

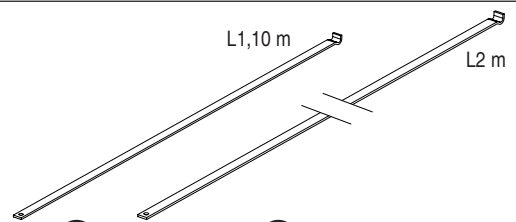
VERROUILLAGE



P VR10835



Q VR10837



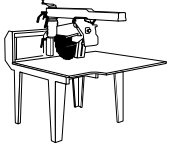
R VR10838J

S VR10839J

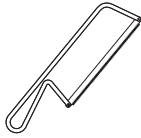
Désignation	Code	Cdt	H vantail < 1800 mm		1800 <= H vantail > 2800 mm		2800 <= H vantail > = 3000 mm	
			4+0	0+4	4+0	0+4	4+0	0+4
			UnitéUnité	UnitéUnité	UnitéUnité	UnitéUnité	UnitéUnité	UnitéUnité
A RAIL DE GUIDAGE HAUT ALUMINIUM 6M	VR10906	9	1	1	1	1	1	1
B PROFIL TABLEAU AVEC RECOUVREMENT ALUMINIUM 6M	VR10917	9	1	1	1	1	1	1
C RAIL DE GUIDAGE BAS U ALUMINIUM 6M	VR10926	9	1	1	1	1	1	1
D BUTEE BASSE ZAMAK POUR RAIL GUIDAGE BAS U	VR10930	1	2	2	2	2	2	2
E KIT 2 BUTEES FIXE RAIL BAS COMPOSITE + VISSERIE	VR10830	1	1	1	1	1	1	1
T KIT 2 PLATINES JONCTION PRECADRE	OPTION sans usinage CN VR10918	1	1	1	1	1	1	1
GUIDAGE HAUT								
F1 CHARIOT HAUT EXTERIEUR GAUCHE VUE INTER	VR10100G	1	1	-	1	-	1	-
F2 CHARIOT HAUT EXTERIEUR DROIT VUE INTER	VR10200D	1	-	1	-	1	-	1
G BUTEE CHARIOT HAUT COMPOSITE	VR10300	1	1	1	1	1	1	1
H1 CHARIOT HAUT INTERMEDIAIRE GAUCHE ZAMAK	VR10700G	1	1	-	1	-	1	-
H2 CHARIOT HAUT INTERMEDIAIRE DROIT ZAMAK	VR10600D	1	-	1	-	1	-	1
GUIDAGE BAS								
I1 GUIDAGE BAS EXTERIEUR GAUCHE VUE INTER	VR10400G	1	1	-	1	-	1	-
I2 GUIDAGE BAS EXTERIEUR DROIT VUE INTER	VR10500D	1	-	1	-	1	-	1
J1 GUIDAGE BAS INTERMEDIAIRE GAUCHE VUE INTER	VR10800G	1	1	-	1	-	1	-
J2 GUIDAGE BAS INTERMEDIAIRE DROIT VUE INTER	VR10801D	1	-	1	-	1	-	1
LIAISONS PROFILS / VANTAUX								
K1 PAUMELLE POUR TABLEAU GAUCHE VUE INTER.	VR10821G	1	2	-	3	-	4	-
K2 PAUMELLE POUR TABLEAU DROITE VUE INTER.	VR10822D	1	-	2	-	3	-	4
L1 PAUMELLE INTERMEDIAIRE PLATE GAUCHE	VR10809G	1	2	2	4	2	6	2
L2 PAUMELLE INTERMEDIAIRE PLATE DROITE	VR10810D	1	2	2	2	4	2	6
M 2 JEUX DE 2 DEMI-PAUMELLES CHARIOT INTERMEDIAIRE + VISSERIE	VR10828	1	1	1	1	1	1	1
N1 PAUMELLE INTERMEDIAIRE MILIEU GAUCHE + AXE AMOVIBLE + RONDELLE	VR10816G	1	-	-	1	-	2	-
N2 PAUMELLE INTERMEDIAIRE MILIEU DROITE + AXE AMOVIBLE + RONDELLE	VR10817D	1	-	-	-	1	-	2
O 2 DEMI-PAUMELLES EXTREMITÉ + VISSERIE	VR10818	1	1	1	1	1	1	1
VERROUILLAGE								
P KIT VERROU PLAT + LACET COMPOSITE NOIR	VR10835	10	4	4	4	4	4	4
Q LACET+CACHE VERROU PLAT COMPO NOIR	VR10837	10	-	-	4	4	4	4
R TRINGLE ALU 1,10M POUR VERROU PLAT	VR10838J	10	4	4	4	4	2	2
S TRINGLE ALU 2M POUR VERROU PLAT	VR10839J	10	-	-	-	-	2	2

INFORMATIONS

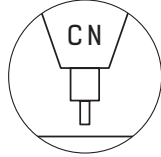
Outils nécessaires



Scie
circulaire



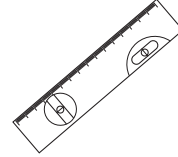
Scie
à métaux



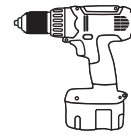
Commande
numérique
(sauf avec platines
de jonction)



Lime



Niveau



Perceuse /
Visseuse

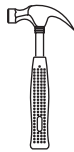


Forets à
métaux

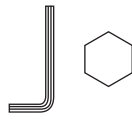
Ø13 mm
Ø10 mm
Ø7 mm
Ø4,5 mm



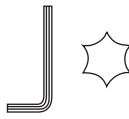
Tournevis



Marteau



Clé 2,5 et 8



Clé T20 et T25



Clé de 14



Frein filet
faible

Caractéristiques techniques

Largeur maxi : 500 mm

Hauteur maxi : 3 000 mm

Dépassement sur la façade : 500 mm maxi.

Poids : jusqu'à 20 kg / vantail

Épaisseur : 30 à 35 mm

Conseils

TORBEL déclinera toute responsabilité si l'ensemble installé n'est pas composé exclusivement de nos accessoires prévus pour cette gamme. Il appartient au fabricant de s'assurer de la compatibilité des accessoires avec les volets. Le système doit être posé par un professionnel dans le respect des règles de l'art et de l'ensemble des DTU. Exclure la pose en bord de mer et la région 4 (Est de la Corse - DTU 34.4 EN1991-1-4). Respecter les dimensions maximales par vantail (3 m x 0,5 m x épaisseur comprise entre 30 et 35 mm) pour un poids maximum de 20 Kg par vantail.

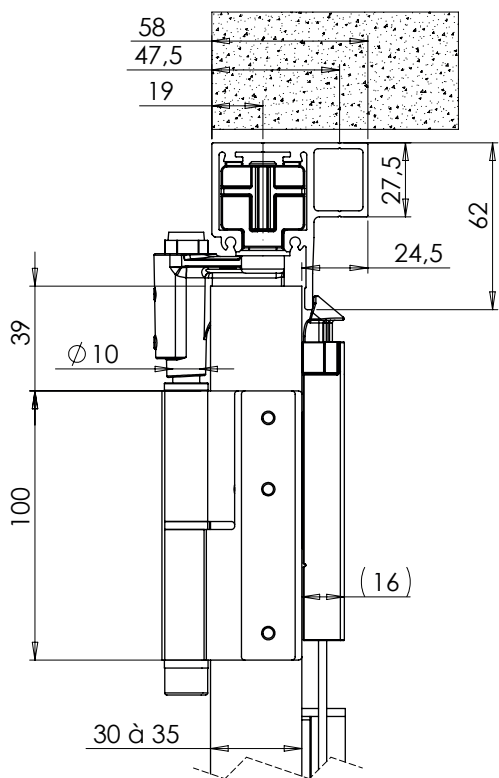
Vérifier que la structure des vantaux soit suffisamment rigide et solide pour un bon fonctionnement. Fixer solidement le précadre (sur une structure suffisamment résistante aux sollicitations du système) aux différents points singuliers (les points singuliers se situent au niveau des paumelles, des butées basses et des chariots vantaux ouverts et fermés...) avec la visserie adaptée au système et au matériau de la façade. Utiliser une fixation dans tous les trous des paumelles et verrous prévus à cet effet avec la visserie adaptée (vis bois TF Ø5 ou rivet Ø4,8) à la nature des vantaux.

Prévoir les évidements nécessaires à l'évacuation des eaux notamment pour le rail de guidage bas. Le système doit s'ouvrir et se fermer sans effort particulier (pas de frottement) et s'assurer qu'il n'existe aucun obstacle. Entretenir et lubrifier régulièrement les paumelles et les roulettes des chariots et guidages bas. Remplacer les pièces présentant une anomalie (usure importante, casse).

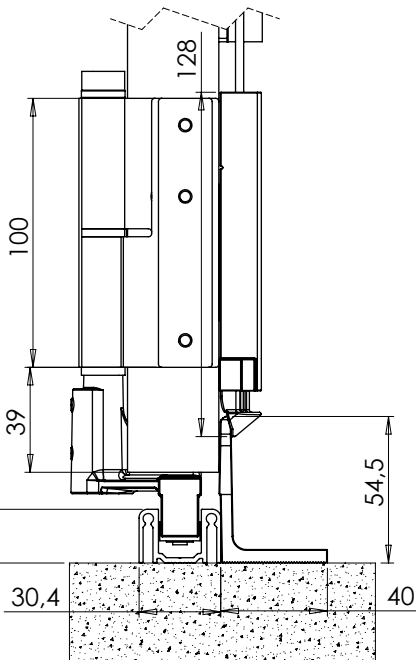
Vérifier régulièrement la visserie, resserrer ou la remplacer si besoin. Les usagers sont tenus de fermer les volets en cas d'absence et/ou d'avis de vent violent (équivalent vigilance orange). S'assurer que les verrous automatiques sont bien en position lorsque les volets sont fermés, sinon les manipuler manuellement. Il appartient au fabricant d'informer l'utilisateur final des consignes d'utilisation et d'entretien de nos produits.

Coupe verticale

Hauteur vantail = Hauteur précadre - 87 mm

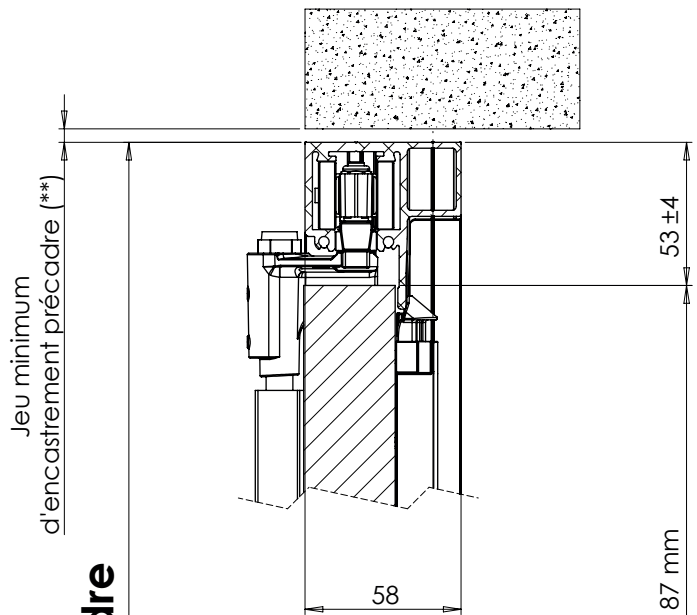


30 à 35



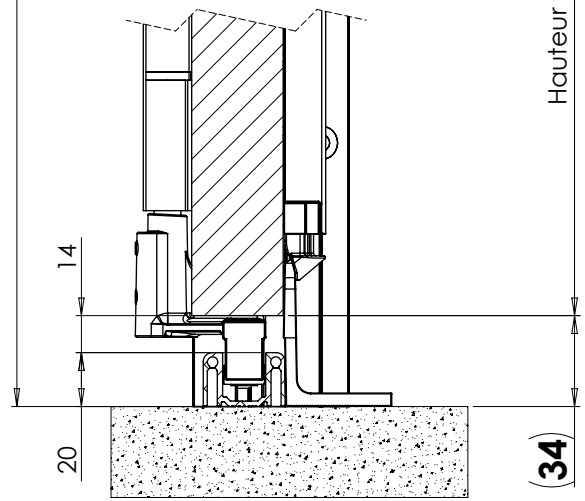
Côté extérieur

Côté intérieur



Jeu minimum
d'encastrement précadre (**)

Hauteur précadre



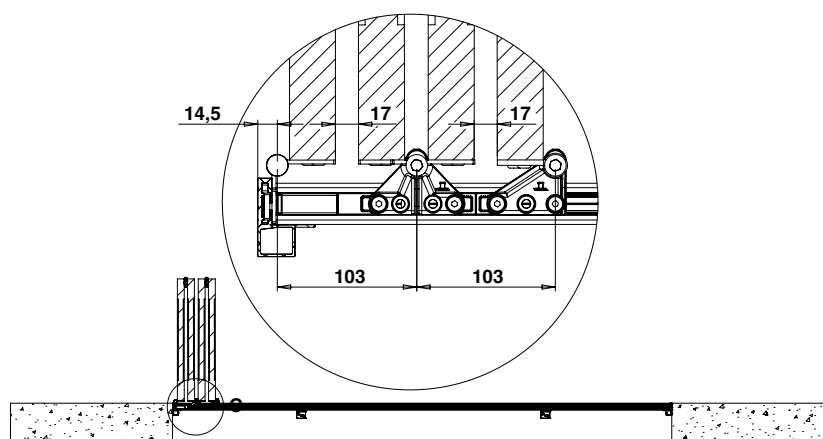
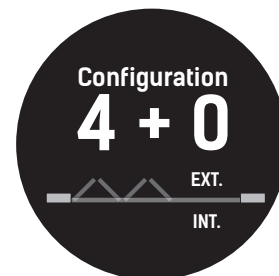
Côté extérieur

Côté intérieur

Hauteur vantail = Hauteur précadre - 87 mm

(34)

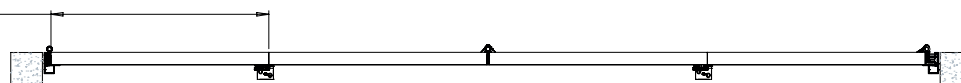
(**) Un jeu minimum d'encastrement périphérique au précadre de 5 mm est suggéré sur les dimensions minimums des ouvertures de baie



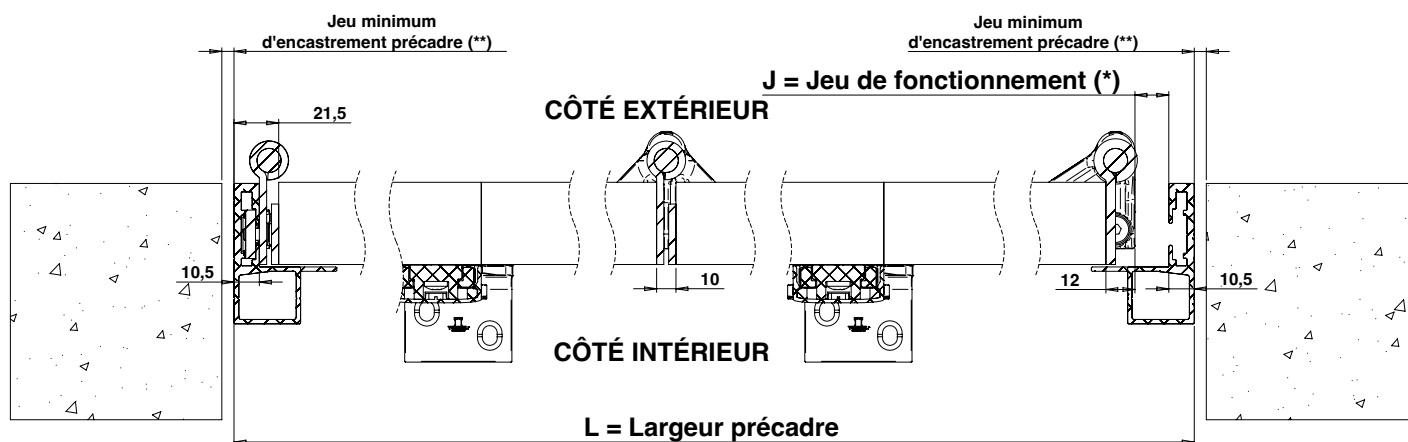
INTÉRIEUR

Largeur vantail =
 $(L - J^{\circ}) - 57 \text{ mm} / 4$

CÔTÉ EXTÉRIEUR



CÔTÉ INTÉRIEUR

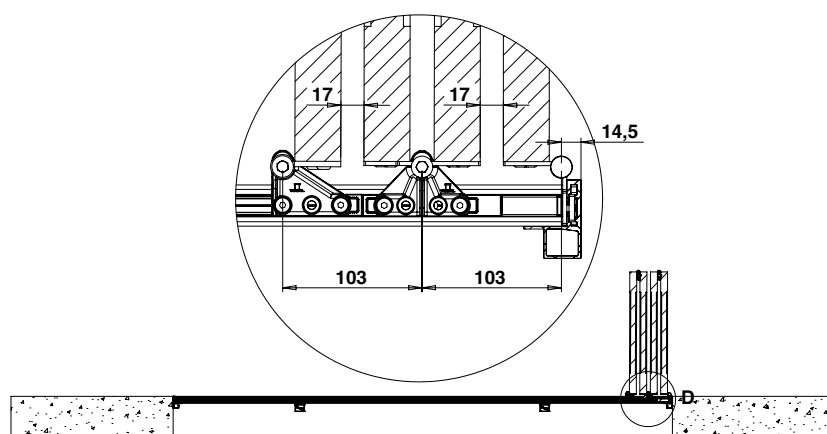
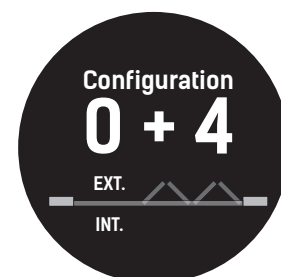


(*) Le jeu de fonctionnement J doit intégrer le recul du chariot lors de la fermeture, les tolérances dimensionnelles des vantaux et du précadre ainsi que les dilatations liées aux variations hygrométrique et thermique.

(*) Recul du chariot :

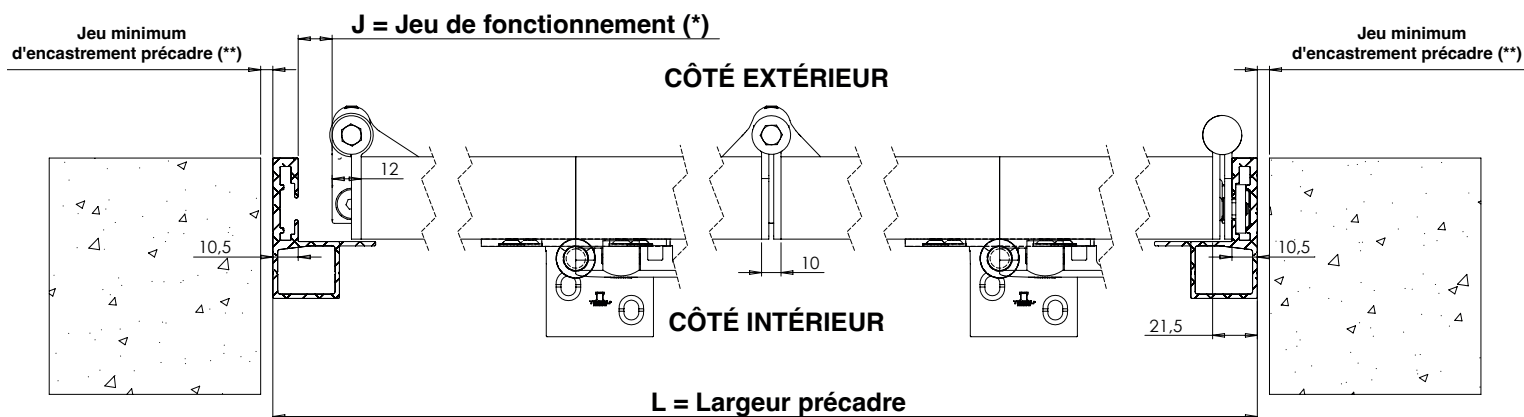
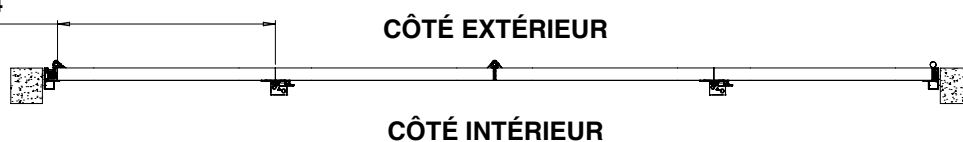
Vantail largeur 500 mm => 5 mm, 400 mm => 6.5 mm, 300 mm => 8,5 mm, 200 mm => 13 mm.

(**) Un jeu minimum d'encastrement périphérique au précadre de 5 mm est suggéré sur les dimensions minimums des ouvertures de baie.



INTÉRIEUR

Largeur vantail =
 $(L - J^{\circ} - 57 \text{ mm}) / 4$

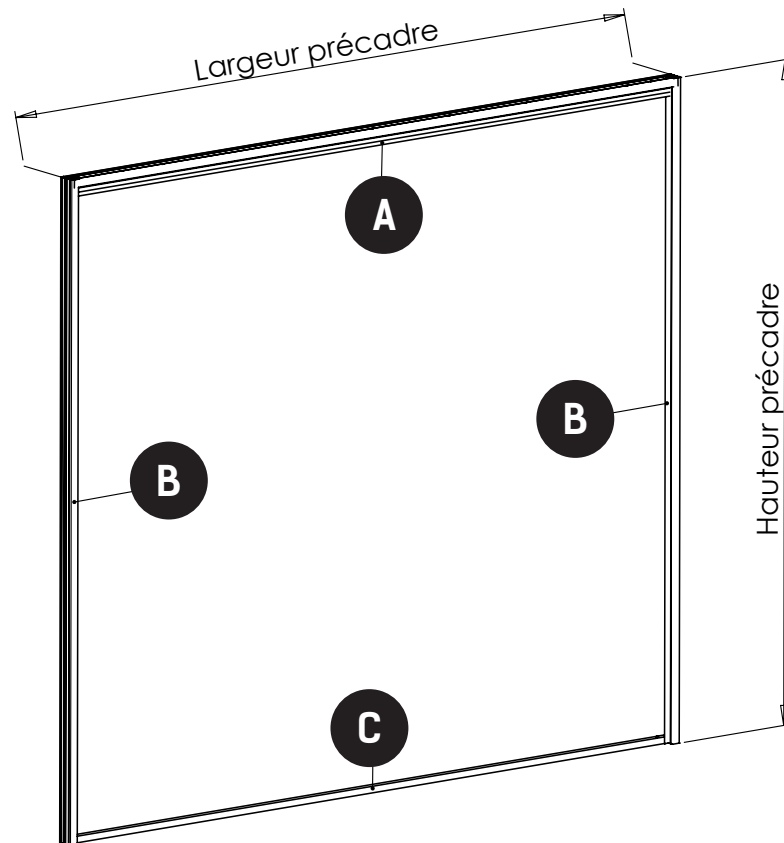


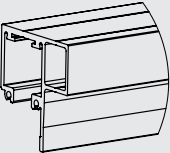
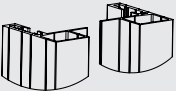
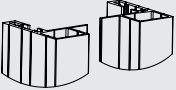
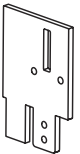
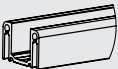
(*) Le jeu de fonctionnement J doit intégrer le recul du chariot lors de la fermeture, les tolérances dimensionnelles des vantaux et du précadre ainsi que les dilatations liées aux variations hygrométrique et thermique.

(*) Recul du chariot :

Vantail largeur 500 mm => 5 mm, 400 mm => 6.5 mm, 300 mm => 8.5 mm, 200 mm => 13 mm.

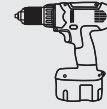
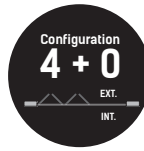
(**) Un jeu minimum d'encastrement périphérique au précadre de 5 mm est suggéré sur les dimensions minimums des ouvertures de baie.



 <p>A VR10906</p>	<p>Longueur rail de guidage haut = Largeur de précadre - 21 mm</p>
 <p>B VR10917</p>	<p>Longueur profil tableau = Hauteur précadre</p>
 <p>B VR10917</p>	<p>OPTION sans usinage CN Avec platines de jonction</p> <p>Longueur profil tableau = Hauteur précadre - 62 mm</p> 
 <p>C VR10926</p>	<p>Longueur rail de guidage bas = Largeur de précadre - 21 mm</p>

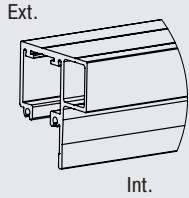
2

Percage et usinage des profils

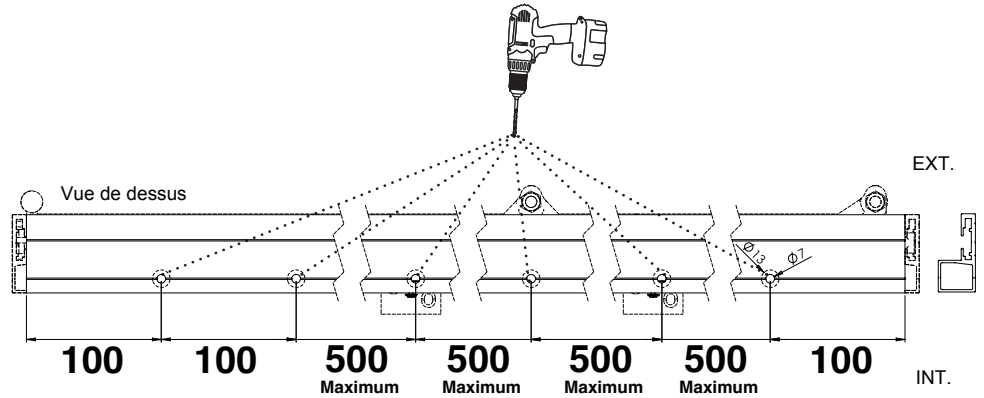


Les points de fixation doivent se situer au niveau des points singuliers.

2.1

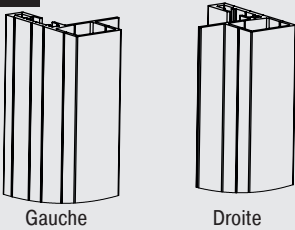


A VR10906

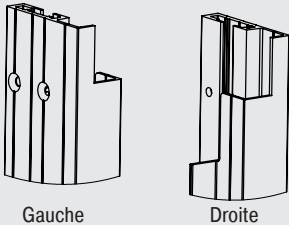


2.2

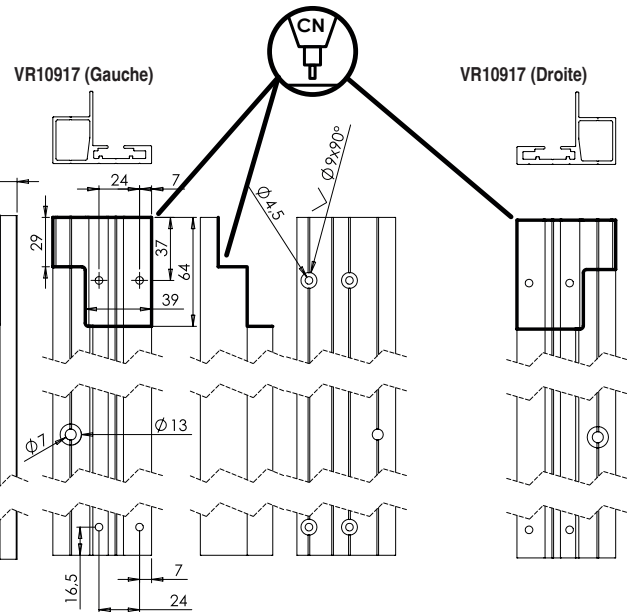
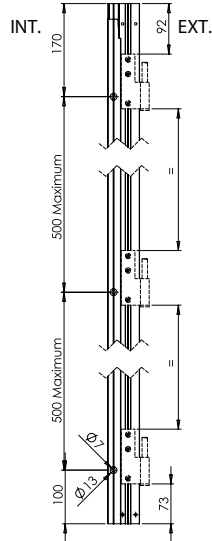
Avant usinage



Après usinage



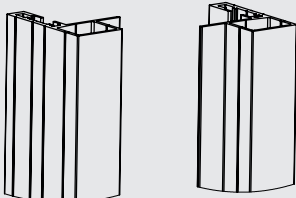
B VR10917



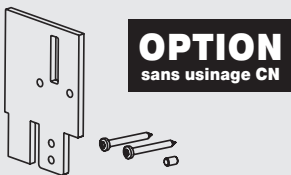
OU

OPTION sans usinage CN

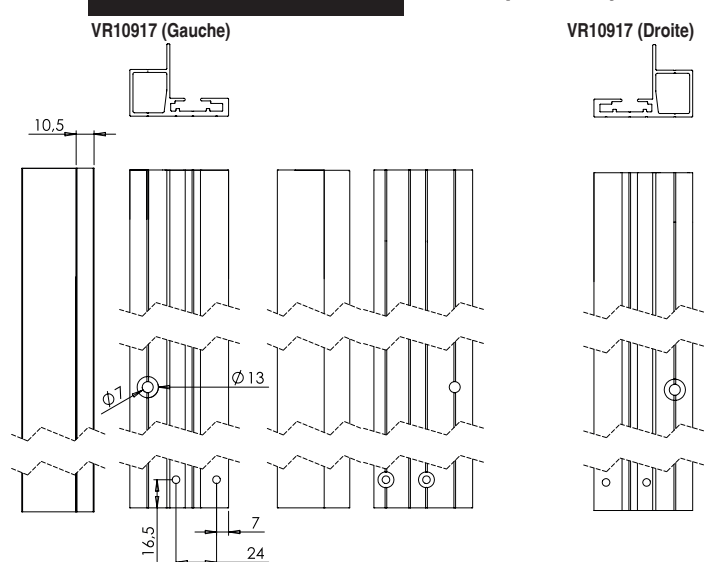
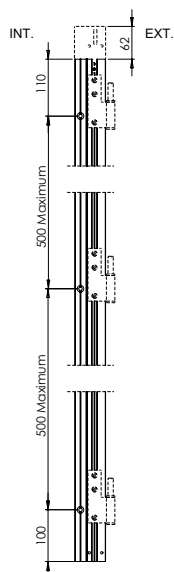
Avec platines de jonction



B VR10917

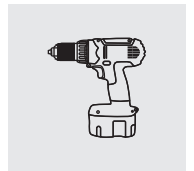
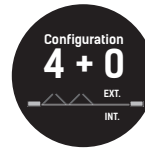


T VR10918



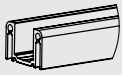
2

Percage et usinage des profils

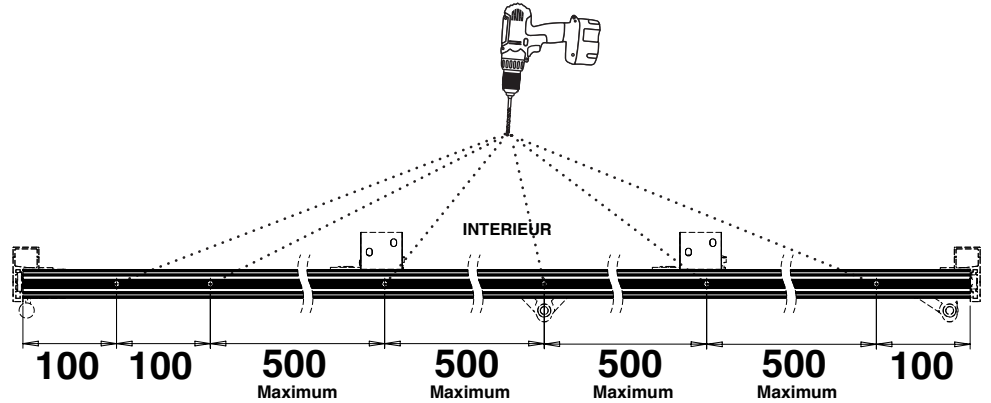


Les points de fixation doivent se situer au niveau des points singuliers.

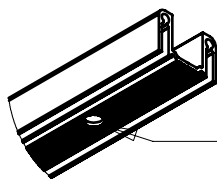
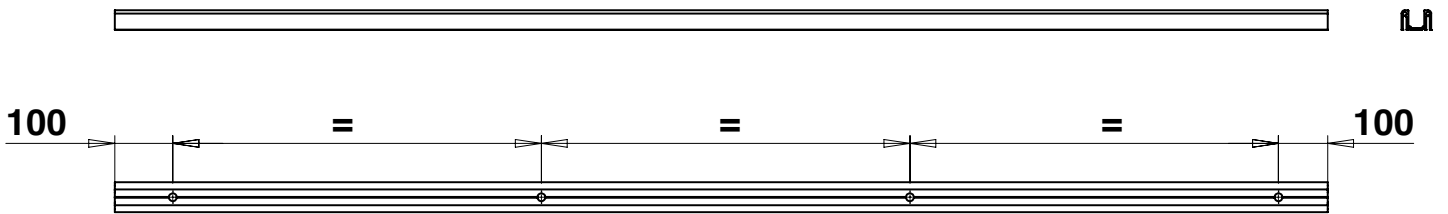
2.3



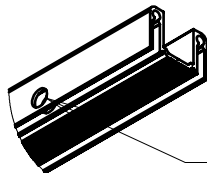
VR10926



Drainage du rail de guidage bas



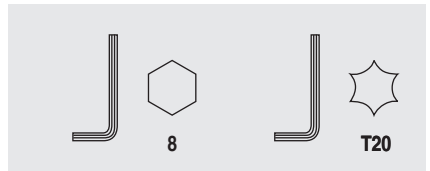
Drainage vertical Ø8



Drainage horizontal Ø8
(orienté vers l'extérieur)

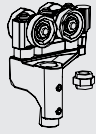
3 Montage du précadre

Configuration
4+0
EXT.
INT.

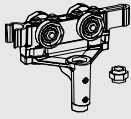


Pour faciliter le montage et permettre de poser le précadre à plat, les étapes ci-dessous sont orientées en vue de l'extérieur.

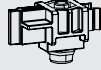
3.1



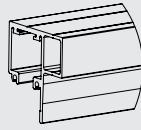
F1 VR10100G



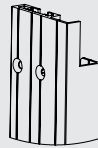
H1 VR10700G



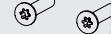
G VR10300



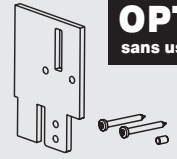
A VR10906



B VR10917

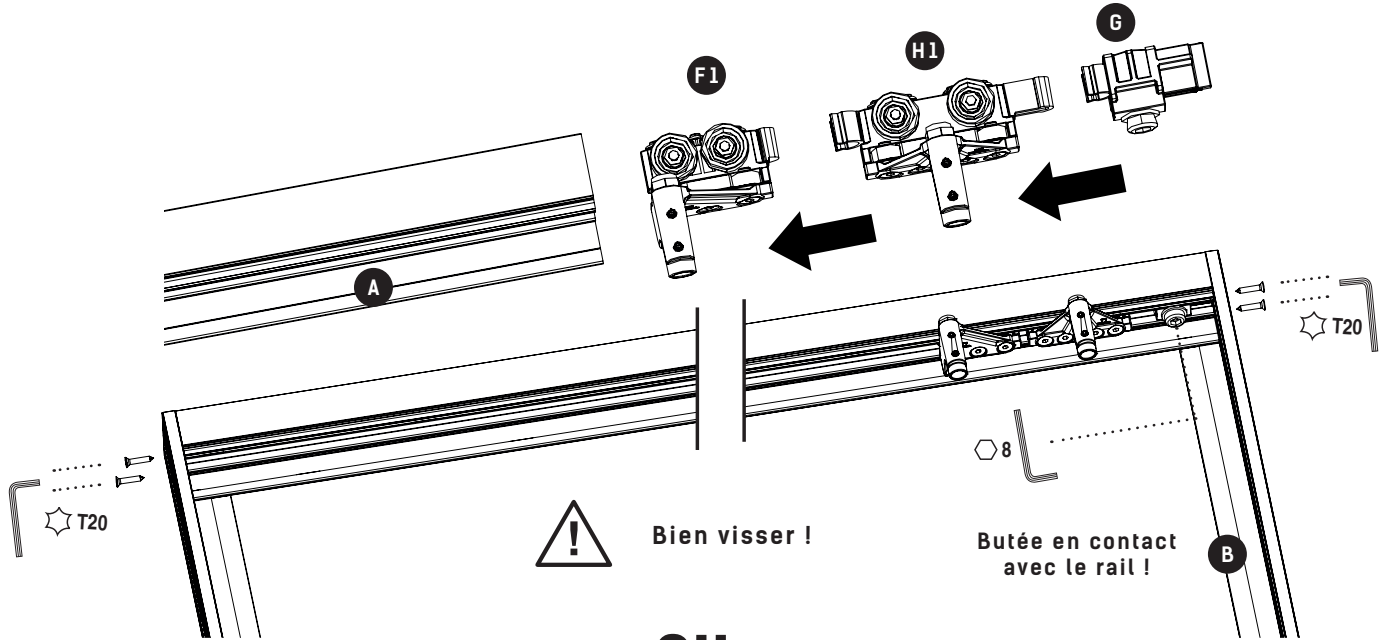


E VR10830



T VR10918

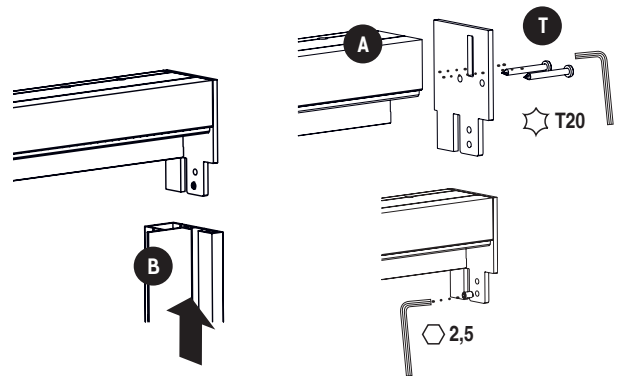
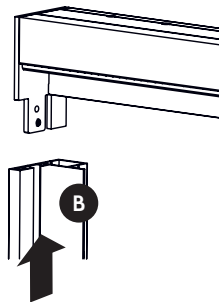
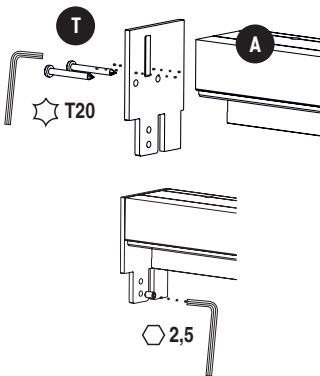
OPTION
sans usinage CN



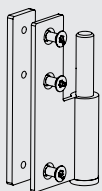
OU

OPTION sans usinage CN

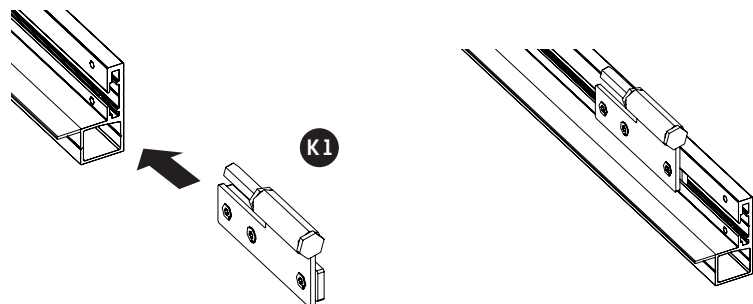
Avec platines de jonction



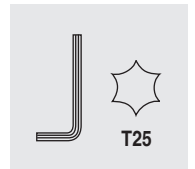
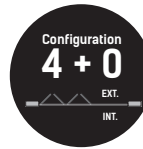
3.2



K1 VR10821G

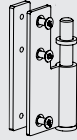


3 Montage du précadre

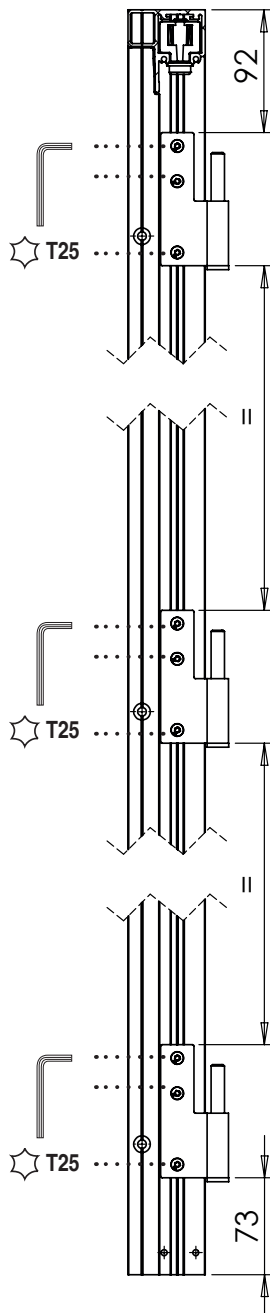


Pour faciliter le montage et permettre de poser le précadre à plat, les étapes ci-dessous sont orientées en vue de l'extérieur.

3.3

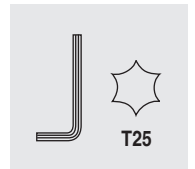
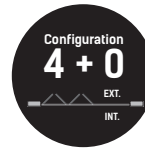


K1 VR10821G



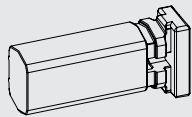
H		
< 1800 mm	1800 mm <....> 2800 mm	> 2800 mm
<p>H</p>	<p>H</p>	<p>H</p>

3 Montage du précadre

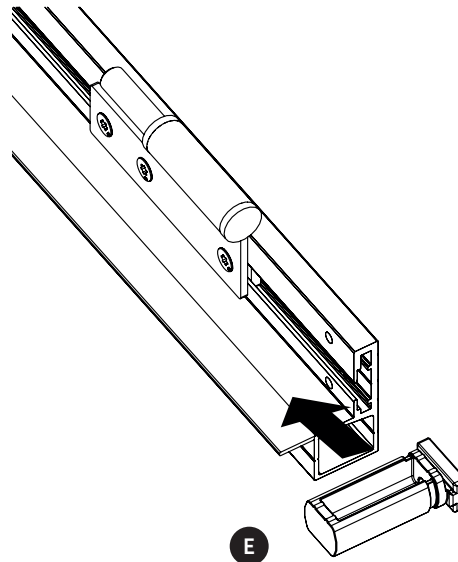


Pour faciliter le montage et permettre de poser le précadre à plat, les étapes ci-dessous sont orientées en vue de l'extérieur.

3.4



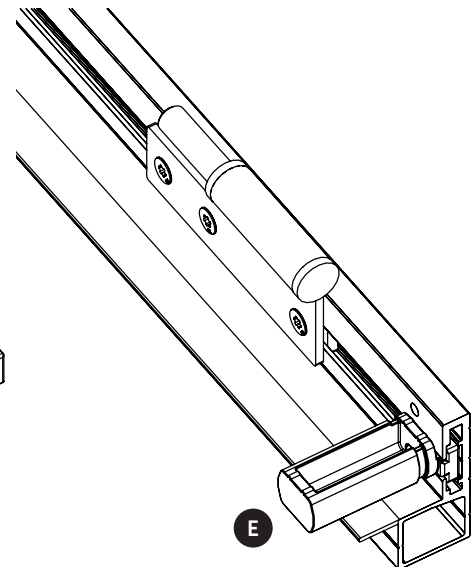
E VR10830



E

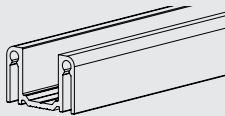


Attention au sens de pose de la butée !

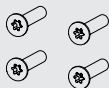


E

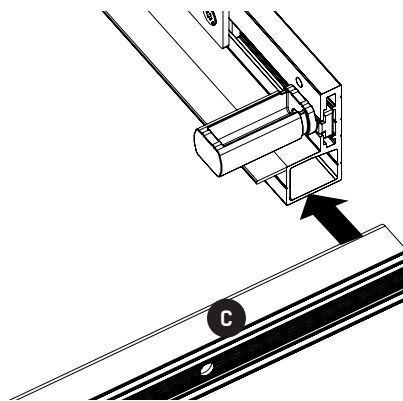
3.5



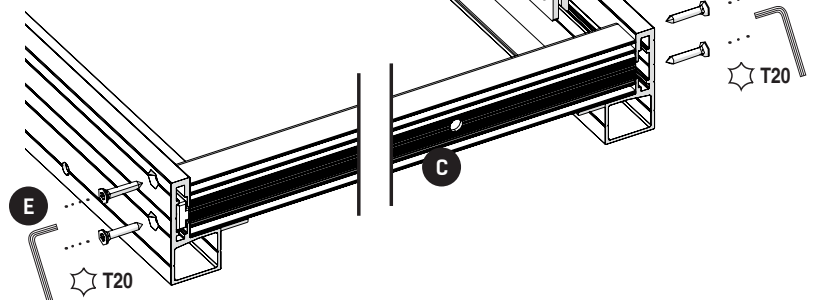
C VR10926



E VR10830



C

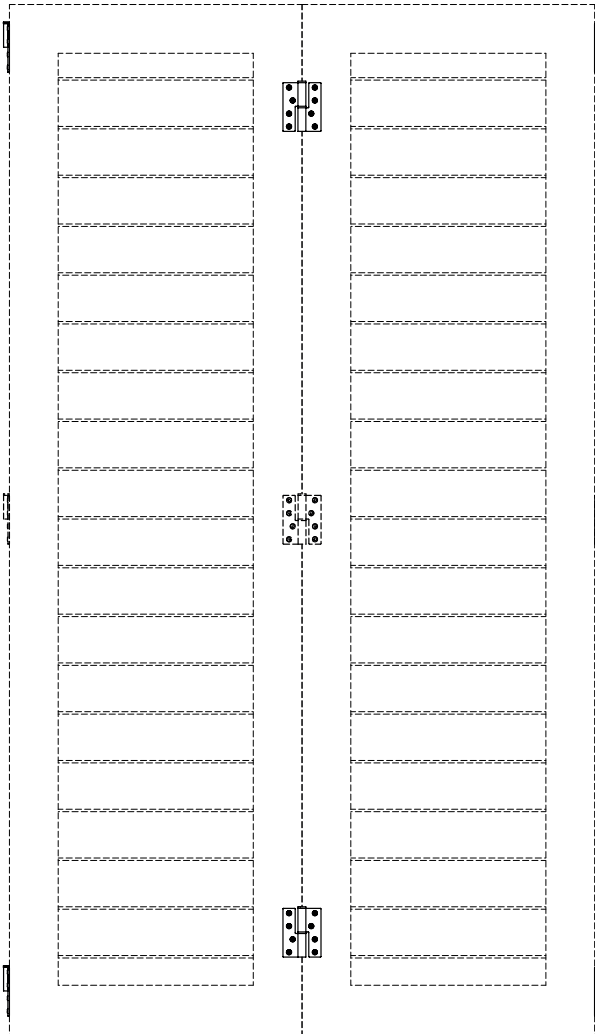
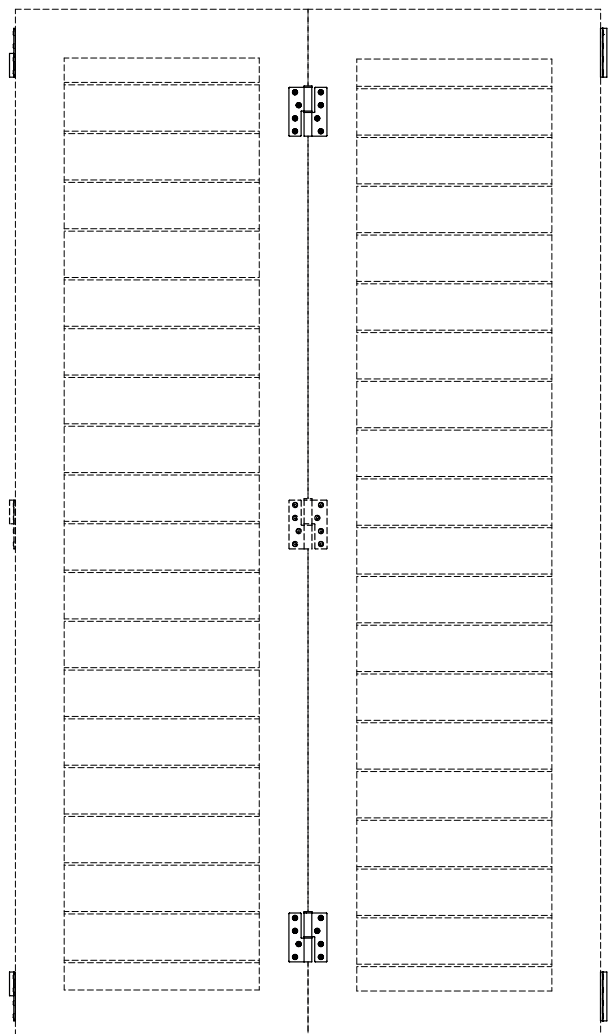


E

T20

E

T20

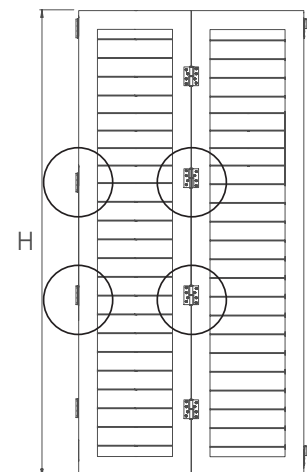
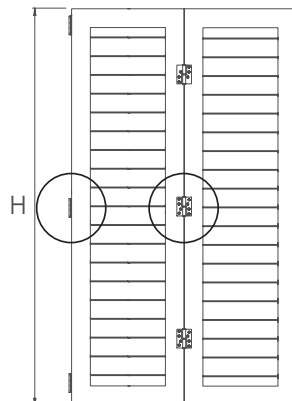
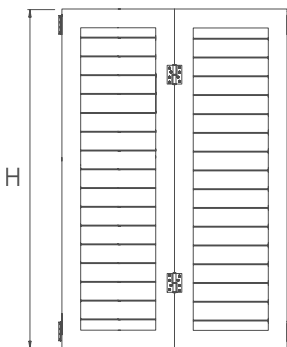
1^{ère} paire
de vantaux2^{ème} paire
de vantaux

H

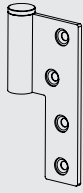
< 1800 mm

1800 mm <....> 2800 mm

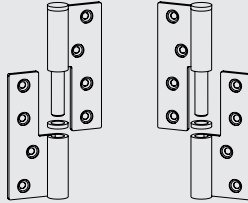
> 2800 mm



4.1

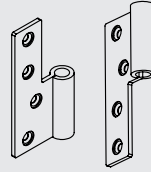


K1 VR10821G

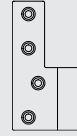


L1 VR10809G

L2 VR10810D



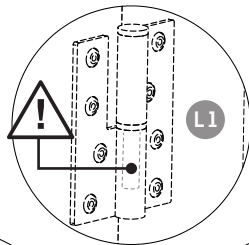
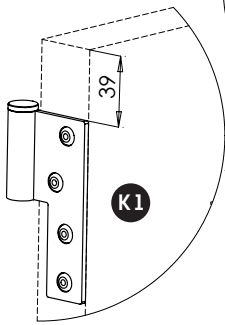
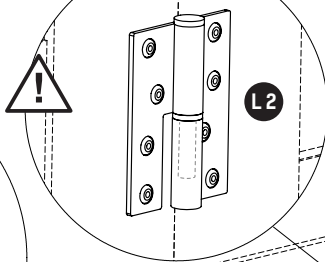
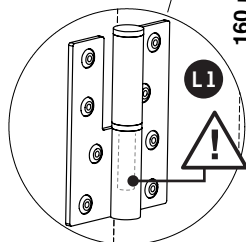
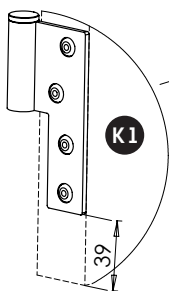
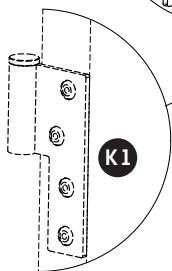
M VR10828

En option
si H > 1800 mm

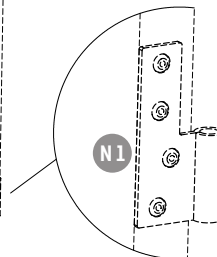
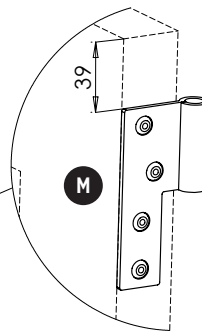
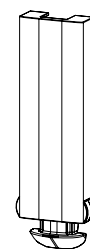
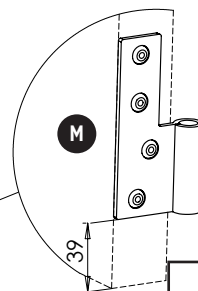
N1 VR10816G

Vue de l'intérieur

Axe vers le bas !

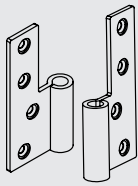
Axe vers le
bas !

Axe vers le bas !

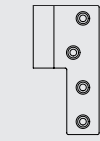
Attention pour
la position du verrou !
Voir P.22Montage
du verrou
en atelier
possible

P. 22

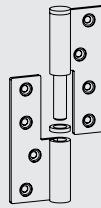
4.2



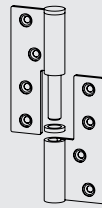
M VR10828

En option
si H > 1800 mm

N1 VR10816G



L1 VR10809G



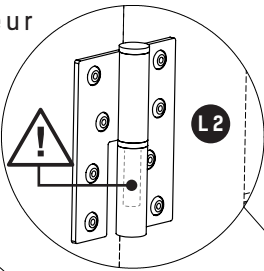
L2 VR10810D



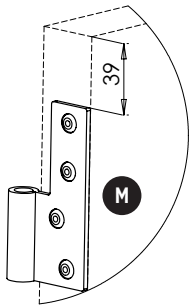
O VR10818

Vue de l'intérieur

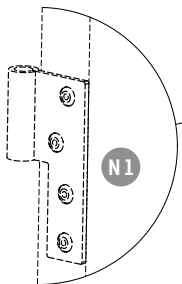
Axe vers le bas !



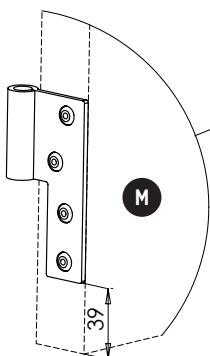
L2



M

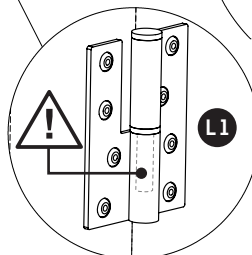


N1

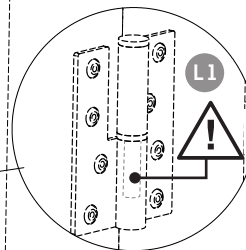


M

Axe vers le bas !

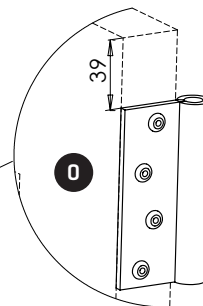


L1

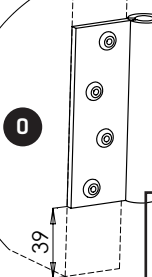
Attention pour
la position du verrou !
Voir P.22

L1

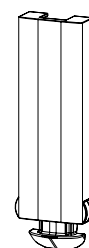
Axe vers le bas !



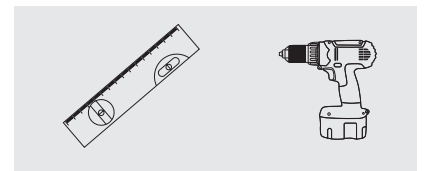
O



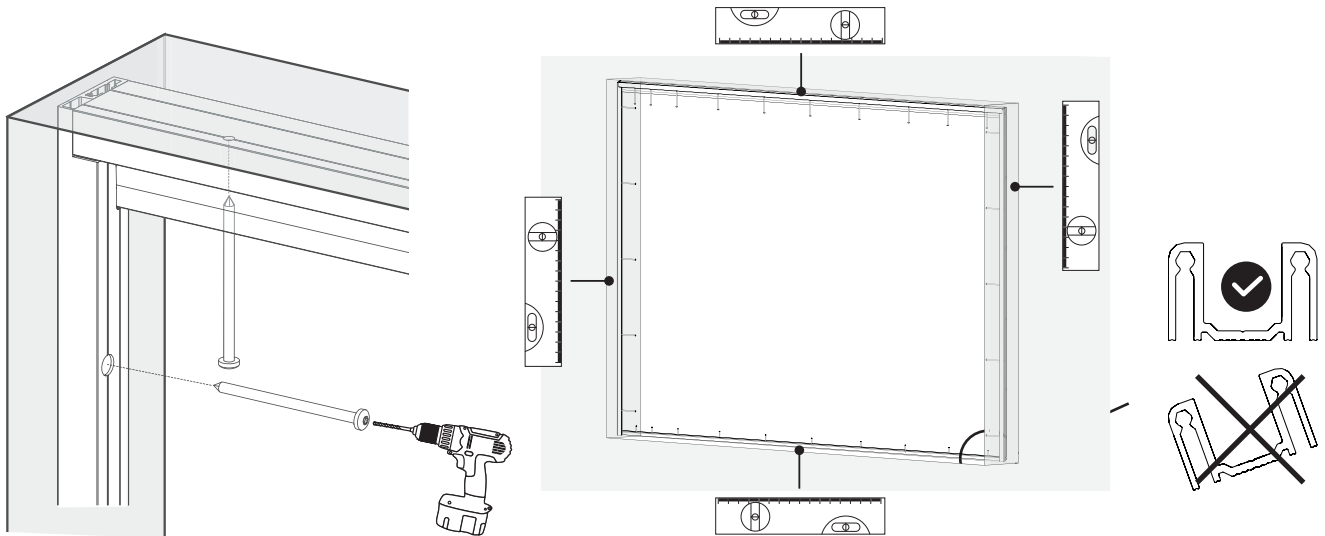
O

Montage
du verrou
en atelier
possible

P.22

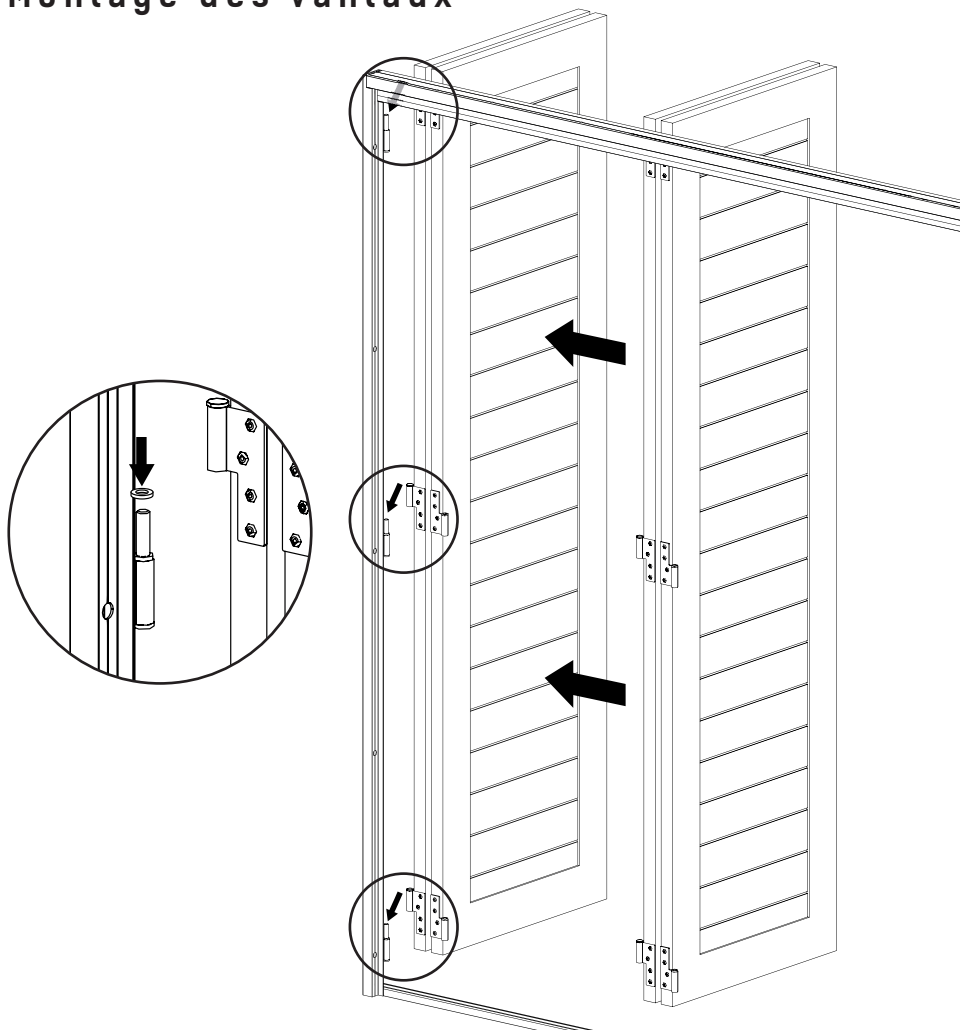


5 Mise en place du pré-cadre (ajustement géométrie et calage)

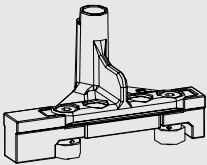
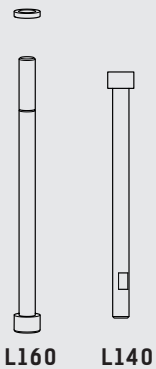
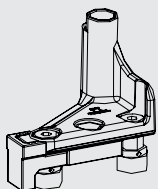
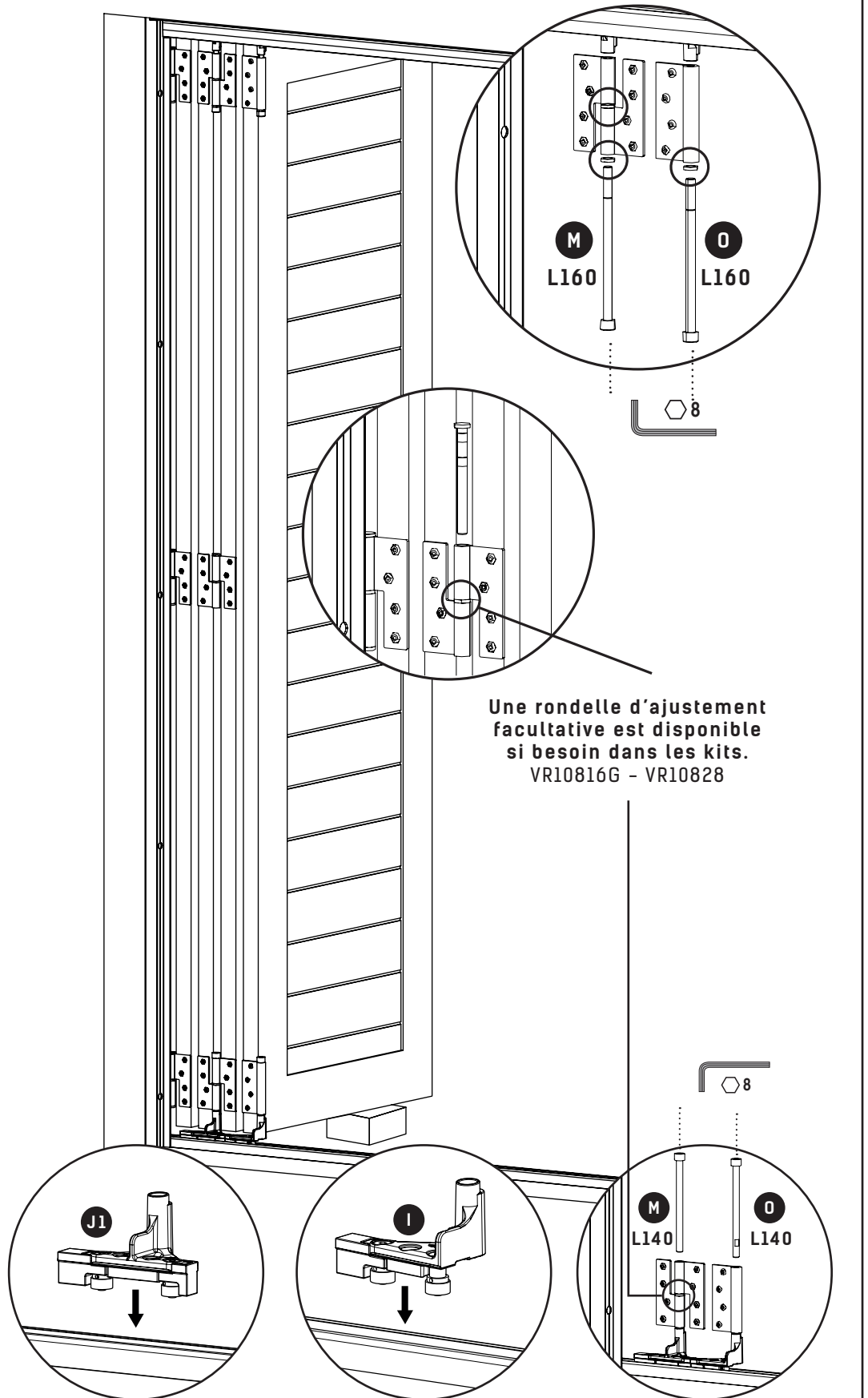


6 Montage des vantaux

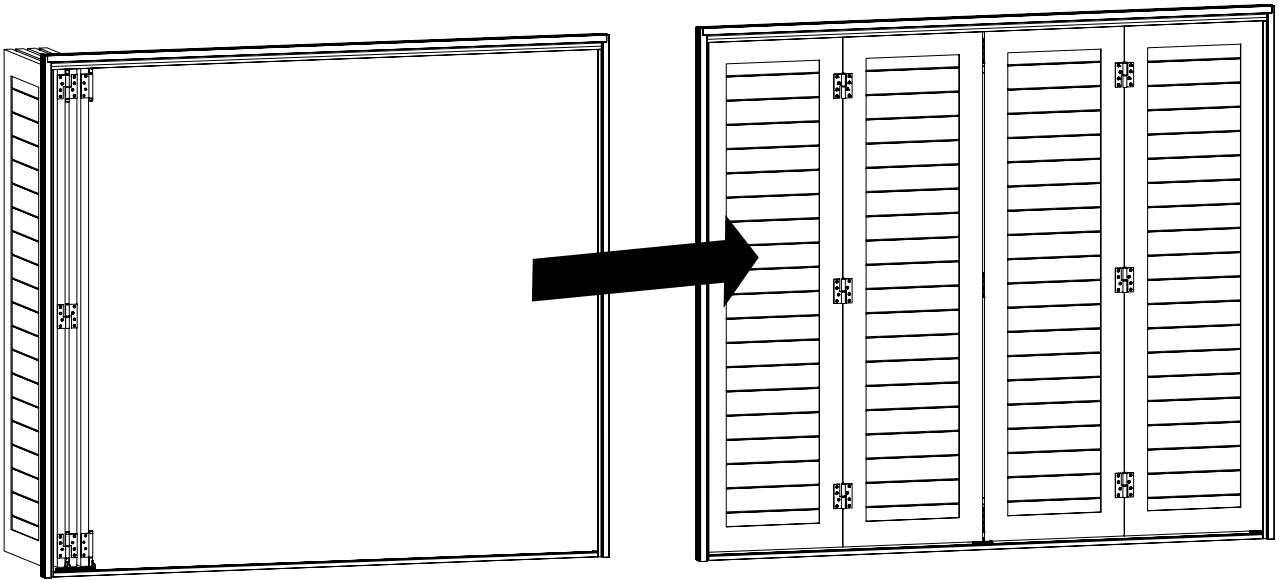
Vues de l'intérieur



7


M VR10828

J1 VR10800G

O VR10818

I1 VR10400G


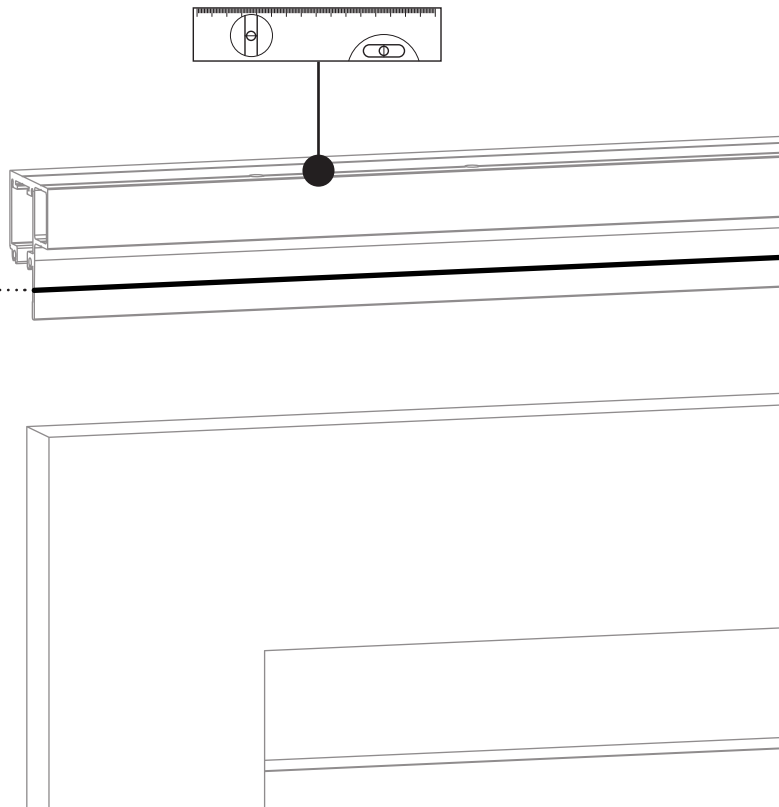
8.1

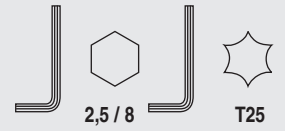
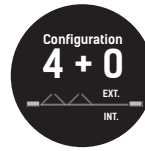


8.2



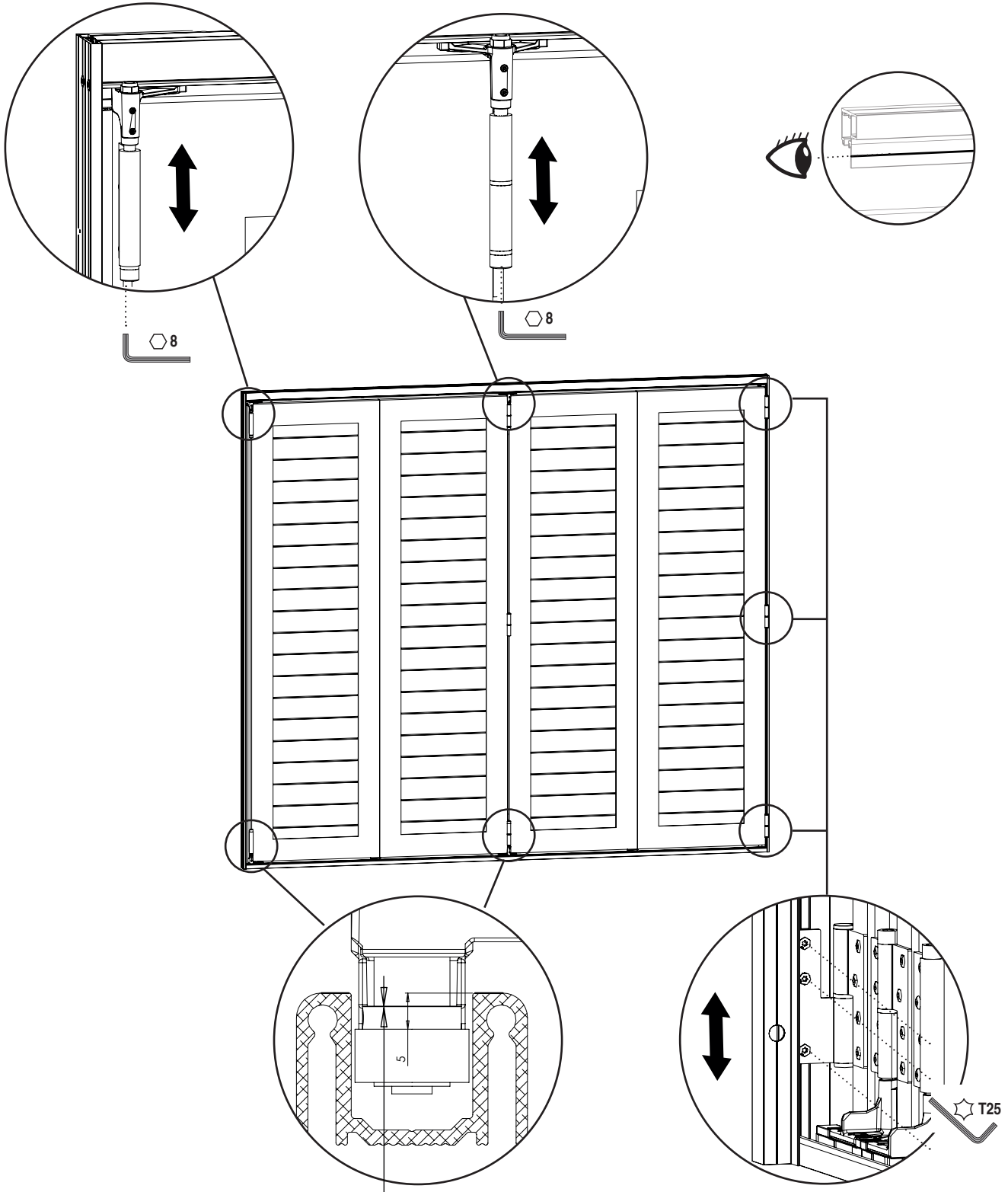
Repérer la ligne sur le profil,
qui permet de bien
positionner les vantaux
horizontalement.



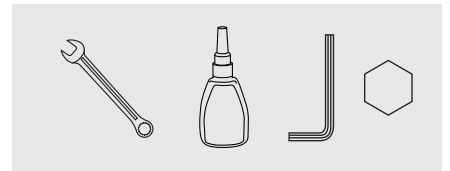


8.3

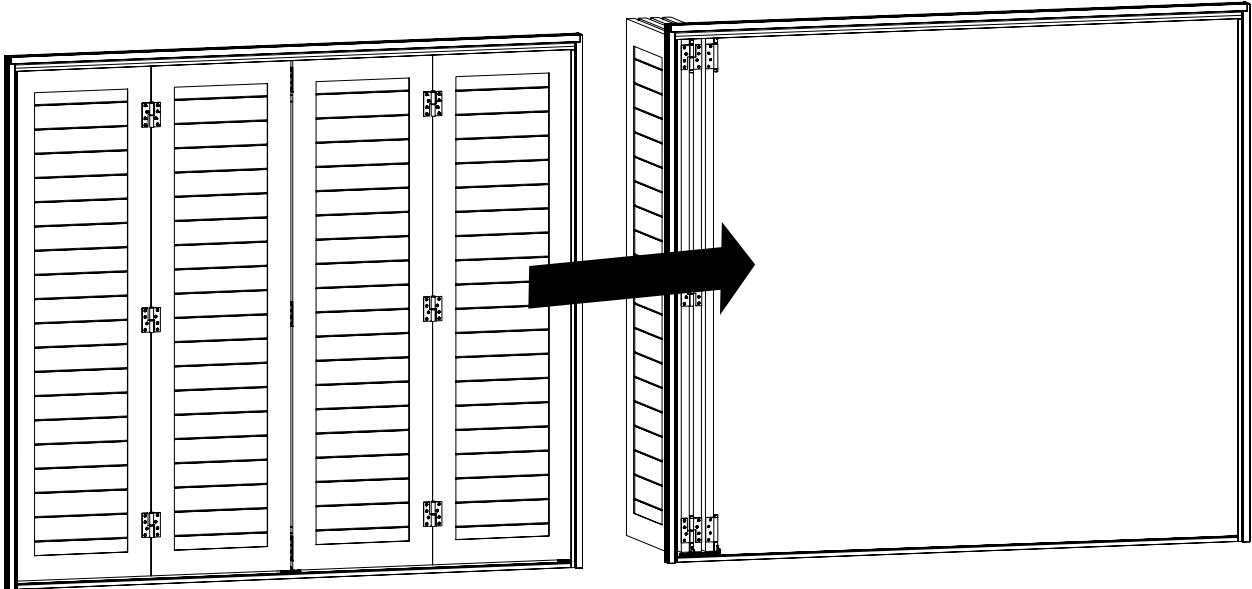
Vues de l'extérieur



Vérifier que le dessus de l'épaule de la roulette soit dans le rail pour garantir la prise optimum de 5 mm.

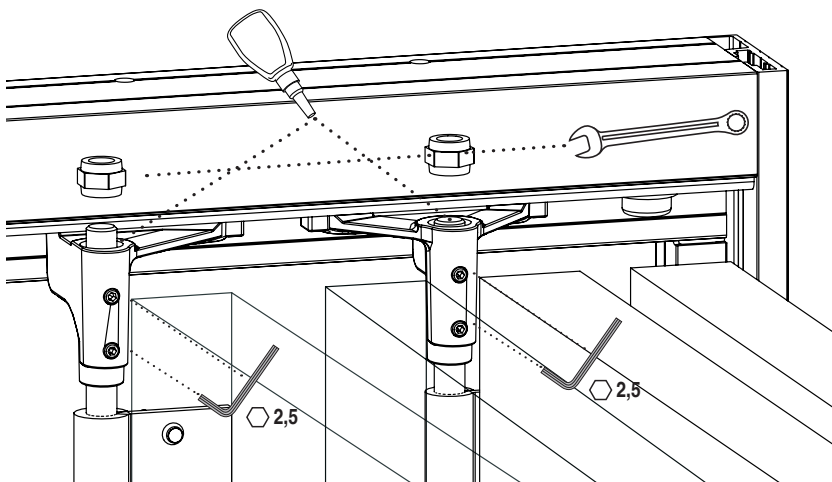


8.4

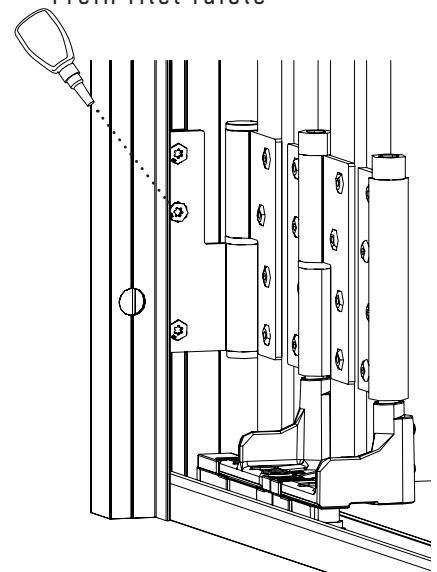


Sécurisation du montage

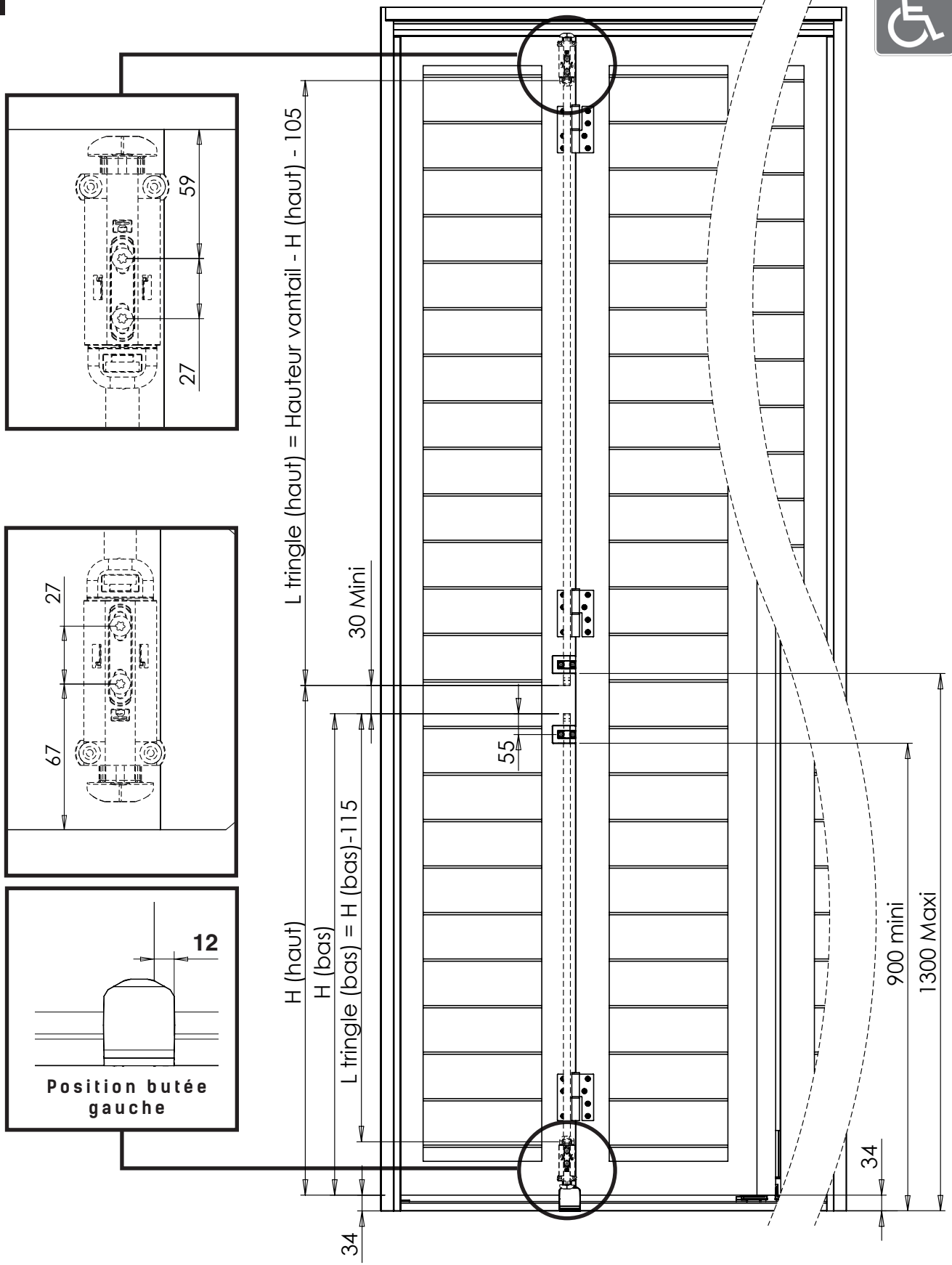
Frein filet faible



Frein filet faible

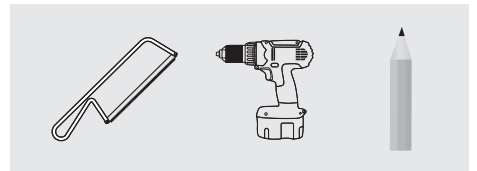
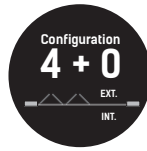


9.1

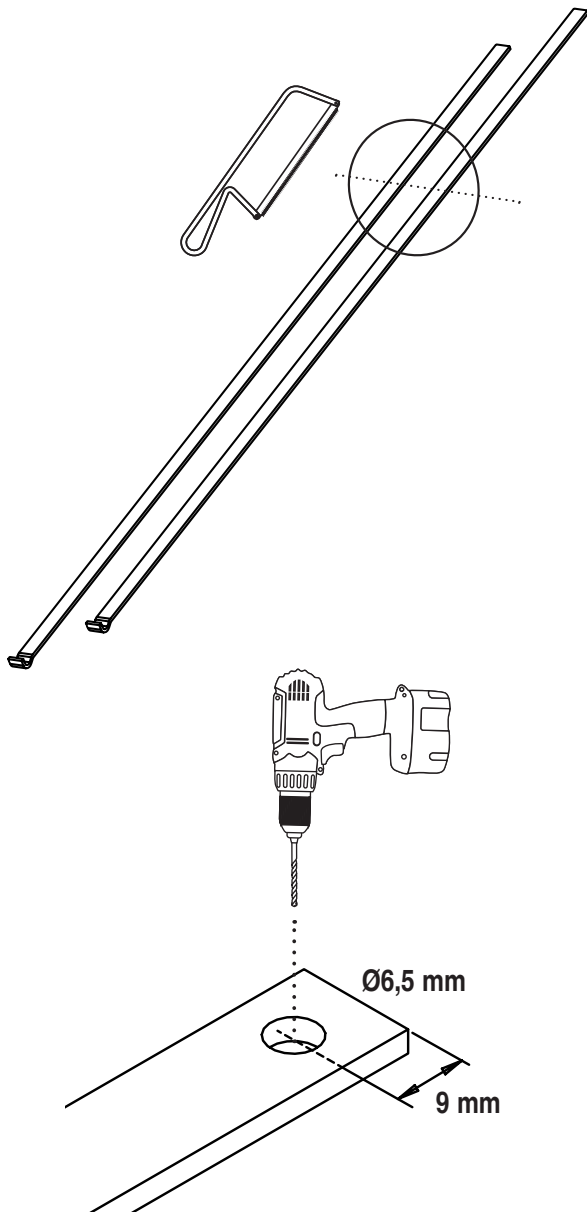
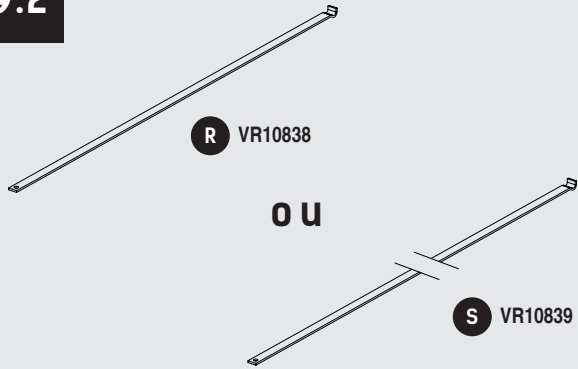


9

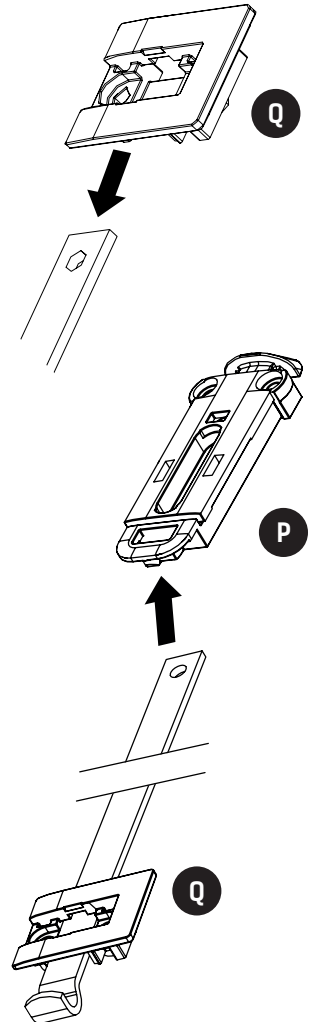
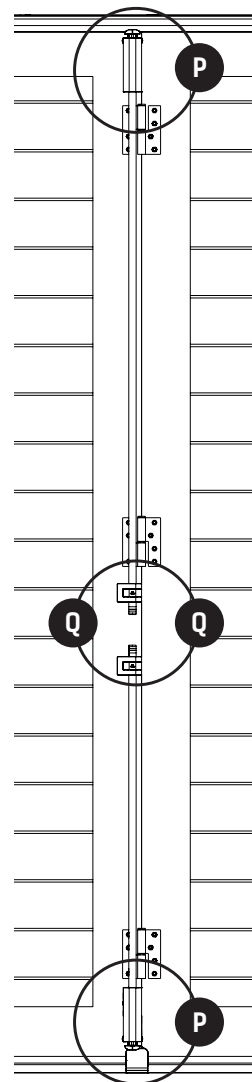
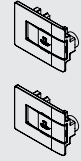
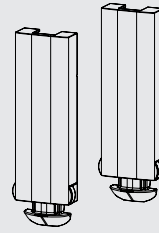
Montage du verrou et de la butée



9.2

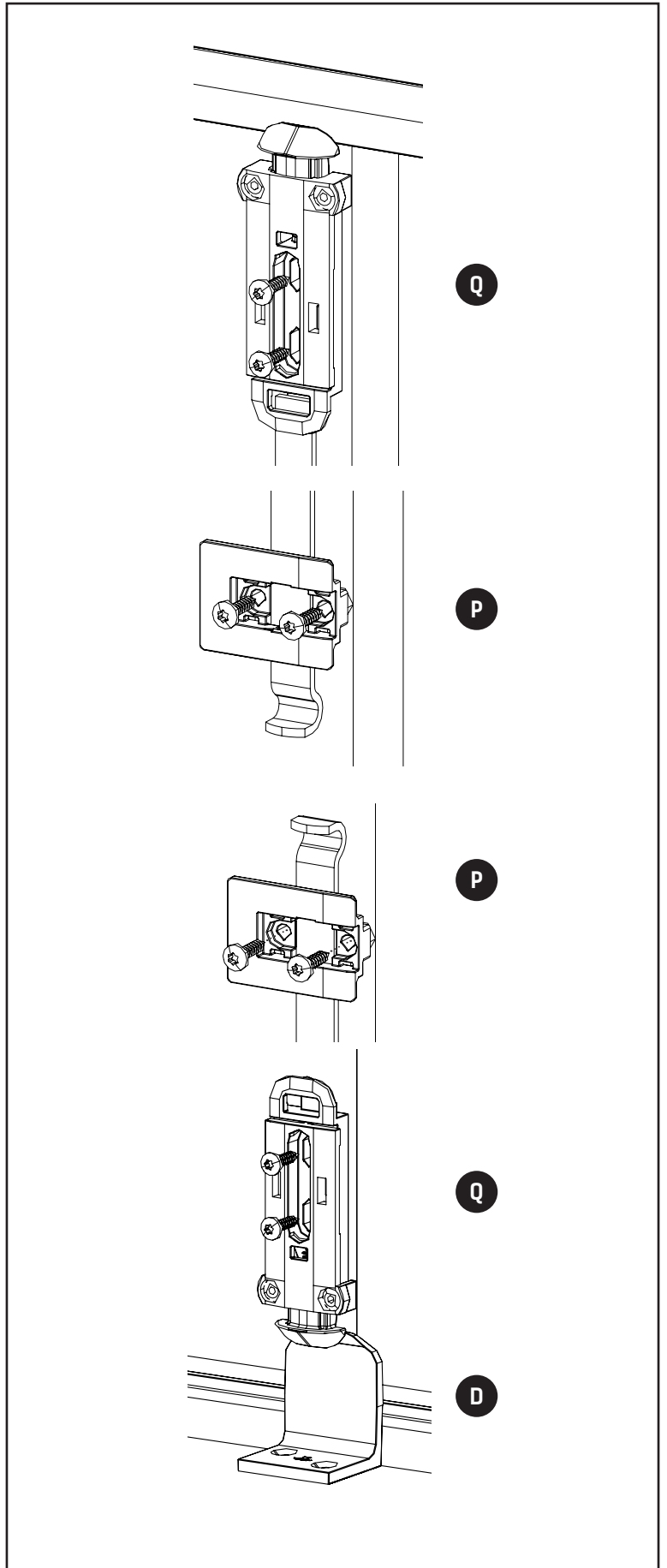
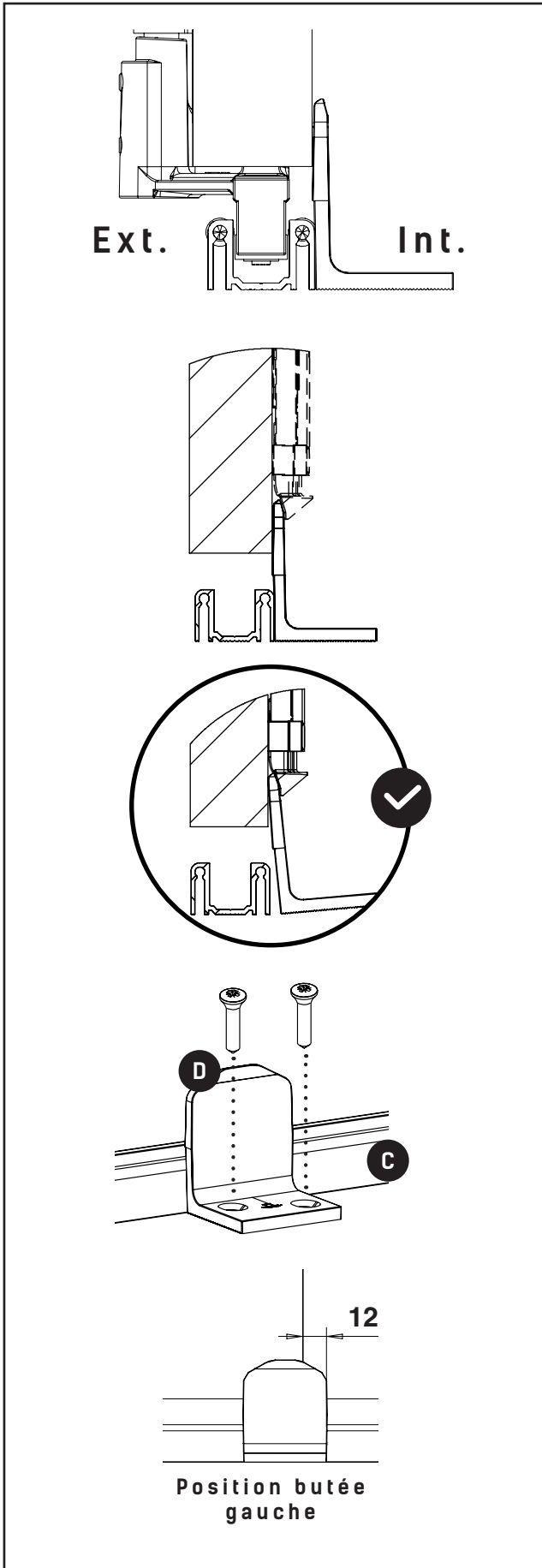
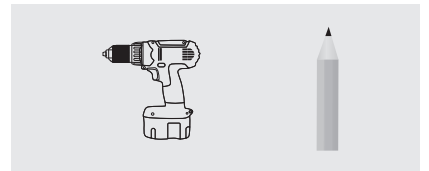
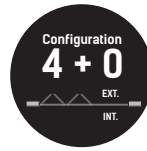


9.3



9

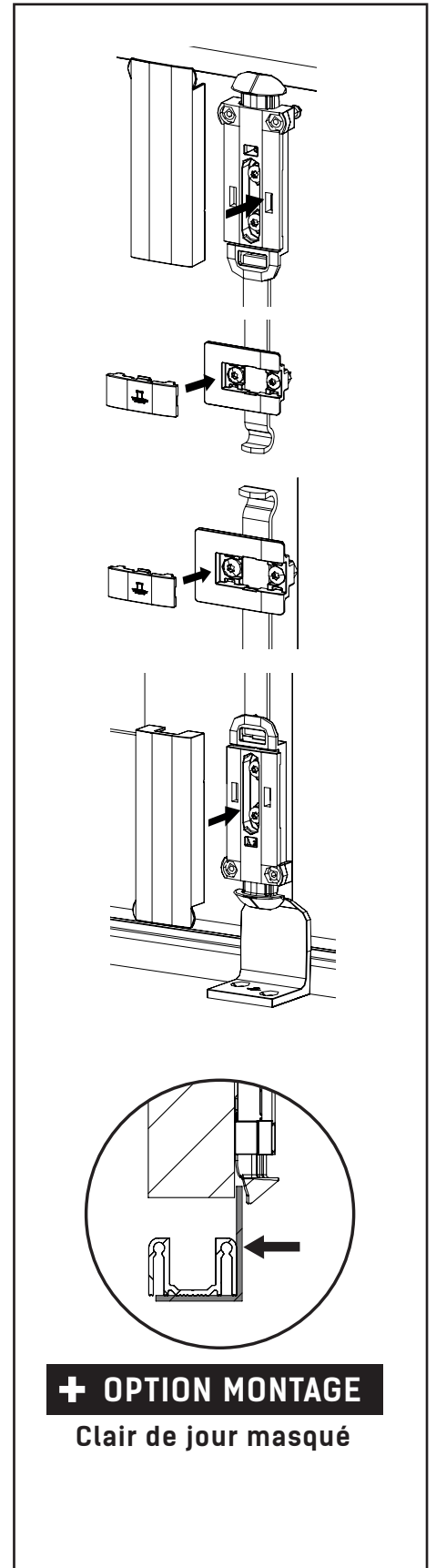
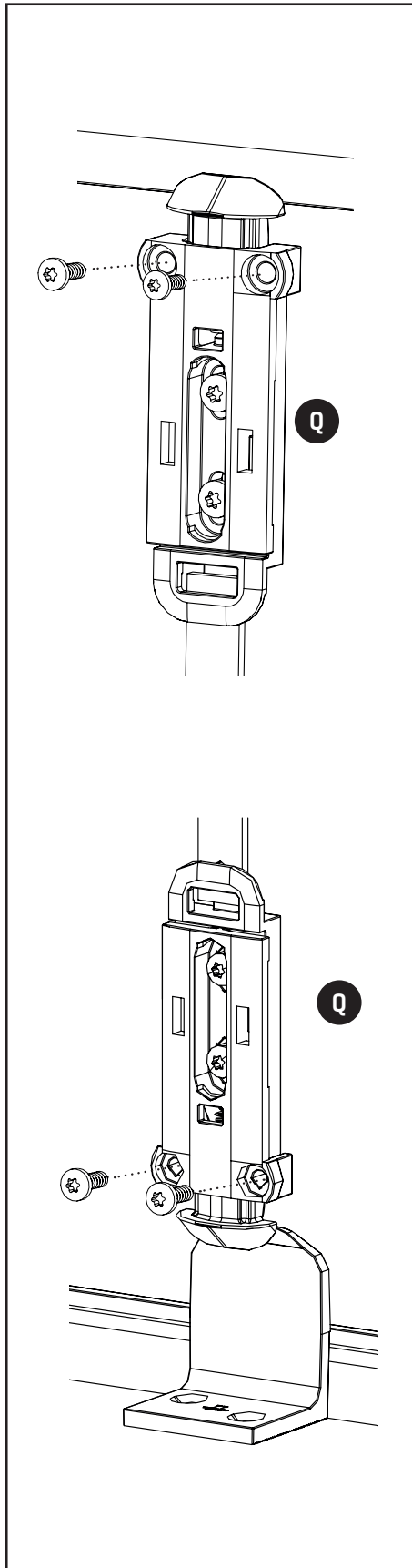
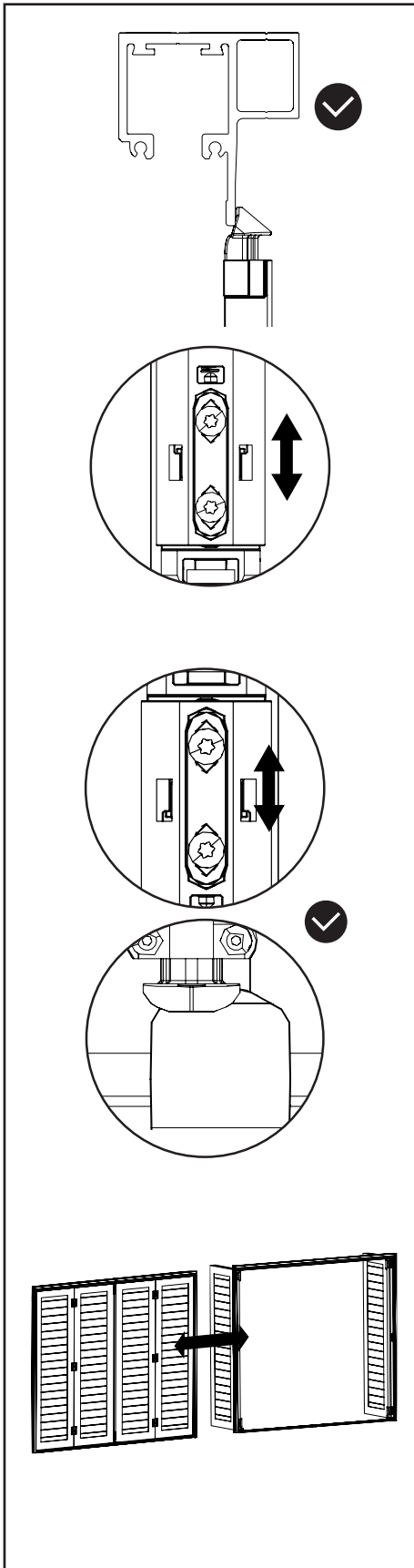
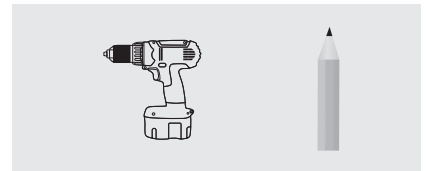
Montage du verrou et de la butée



9

Montage du verrou et de la butée

Configuration
4 + 0
EXT.
INT.



✓ Installation terminée !



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