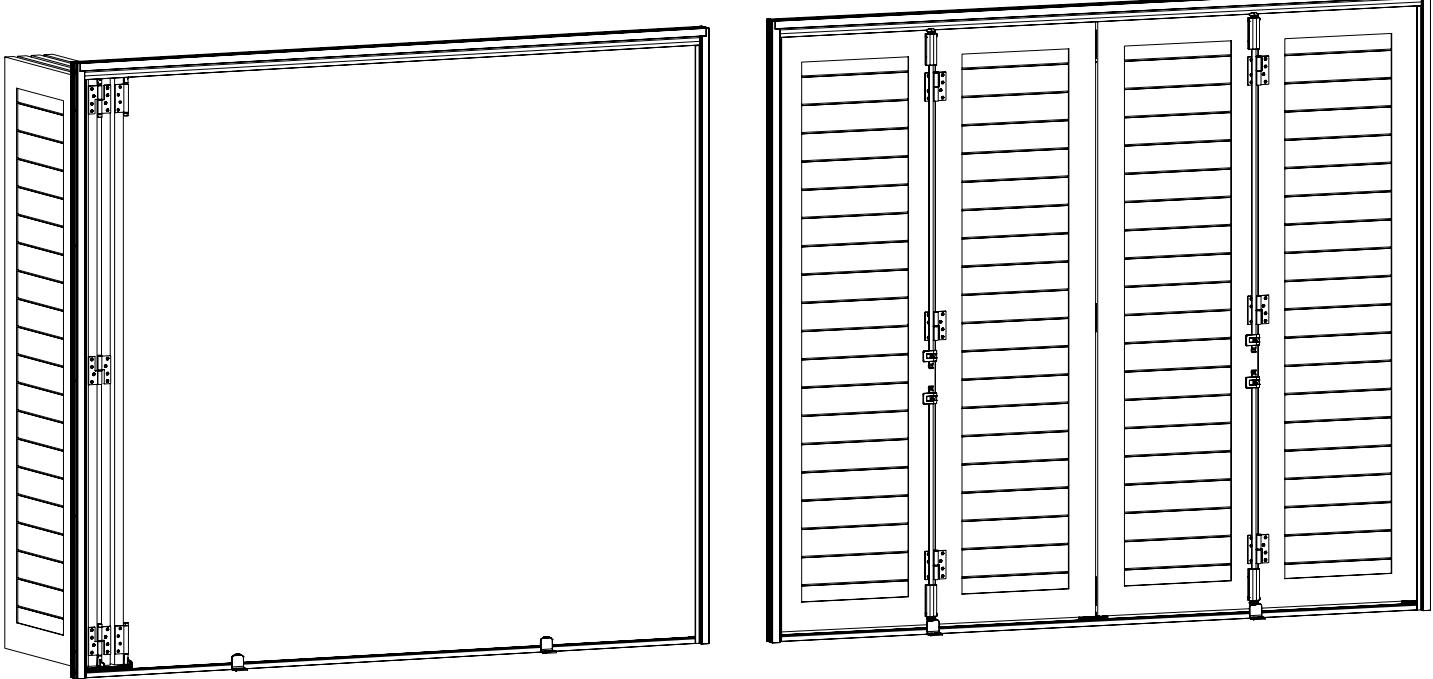
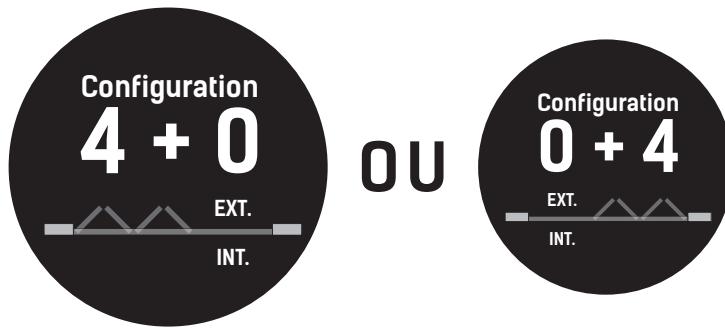




Notice de pose



Vues de l'intérieur

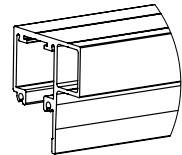


A115014

Gamme VCP300
Ferrures pour volets coulissants pliants
Pour configurations 4+0 ou 0+4

Composants

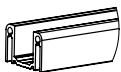
PROFILS & ACCESSOIRES POUR PRECADRE ALUMINIUM



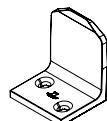
A VR10906



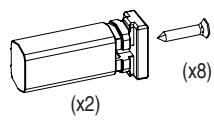
B VR10917



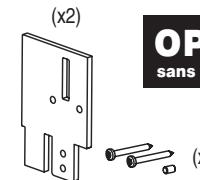
C VR10926



D VR10930



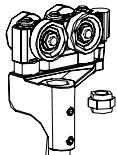
E VR10830



T VR10918

OPTION
sans usinage CN

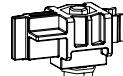
GUIDAGE HAUT



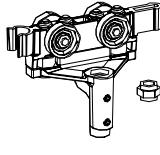
F1 VR10100G



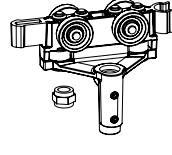
F2 VR10200D



G VR10300

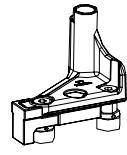


H1 VR10700G

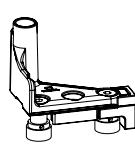


H2 VR10600D

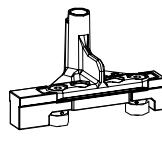
GUIDAGE BAS



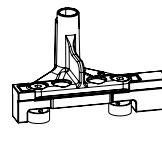
I1 VR10400G



I2 VR10500D

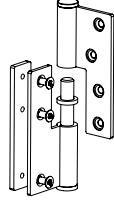


J1 VR10800G

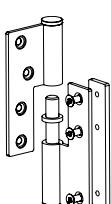


J2 VR10801D

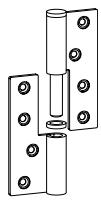
LIAISONS PROFILS / VANTAUX



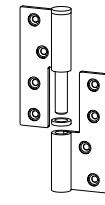
K1 VR10821G



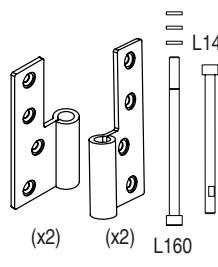
K2 VR10822D



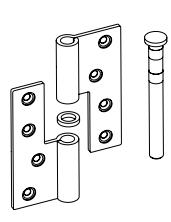
L1 VR10809G



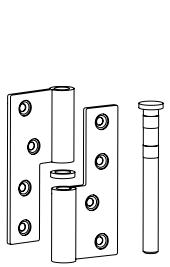
L2 VR10810D



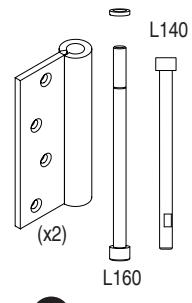
M VR10828



N1 VR10816G

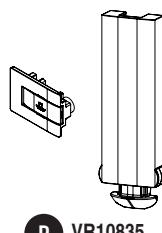


N2 VR10817D

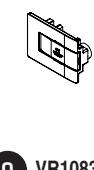


O VR10818

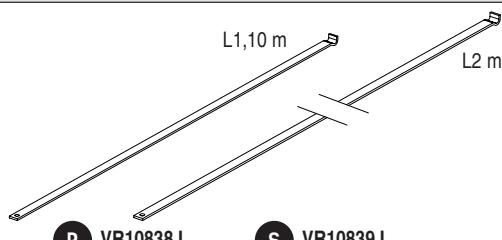
VERROUILLAGE



P VR10835



Q VR10837



R VR10838J

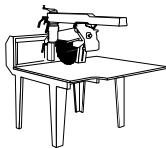
S VR10839J

Désignation

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
			Unité	Unité	Unité	Unité	Unité	Unité
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
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 / VANTAU								
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 + VISSE	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 EXTREMITE + VISSE	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

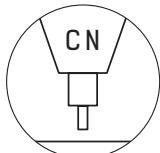
Outils nécessaires



Scie circulaire



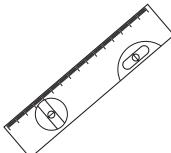
Scie à métaux



Commande numérique
(sauf avec platines de jonction)



Lime



Niveau



Perceuse / Visseuse



Forets à métaux

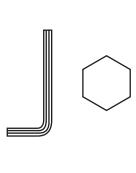
Ø13 mm
Ø10 mm
Ø7 mm
Ø4,5 mm



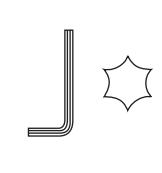
Tournevis



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

Epaisseur : 30 à 35 mm

Conseils

TORBEL déclinerà 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.

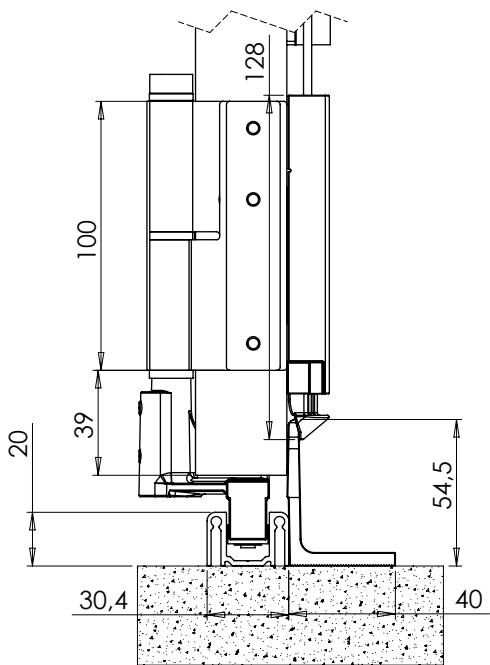
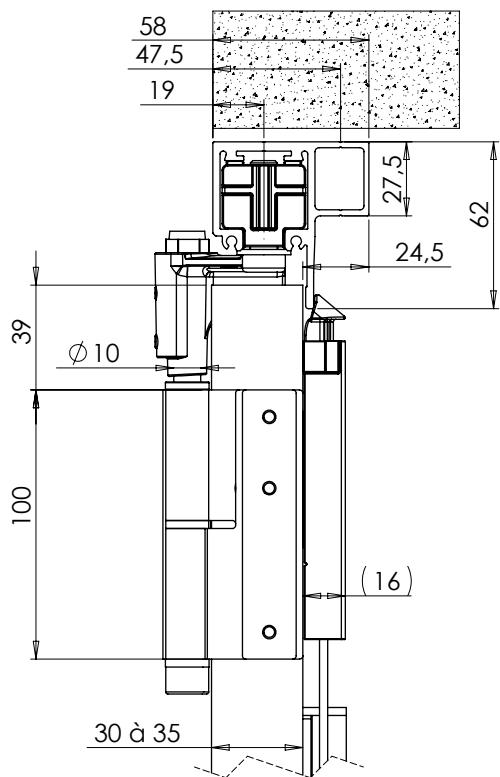
Vérifier que la structure des vantaux soit suffisamment rigide et solide pour un bon fonctionnement. Fixer solidement le précadre (sur une structure suffisamment résistante aux sollicitations du système) aux différents points singuliers (les points singuliers se situent au niveau des paumelles, des butées 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'avoir 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

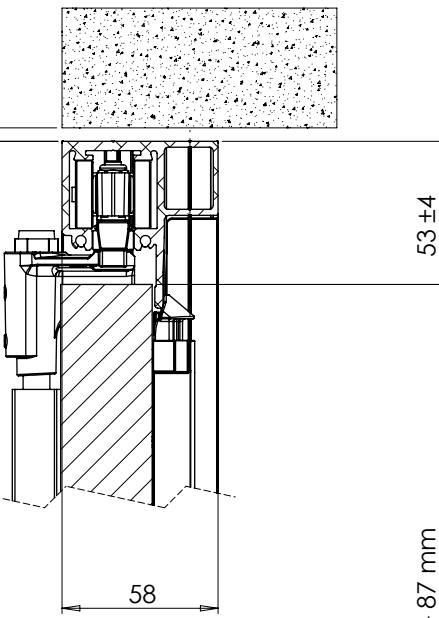


Côté extérieur

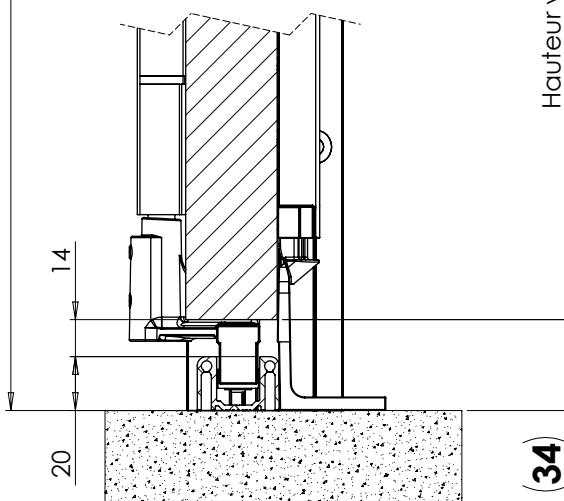
Côté intérieur

Jeu minimum
d'encastrement précadre (**)

Hauteur précadre



Hauteur vantail = Hauteur précadre - 87 mm



Côté extérieur

Côté intérieur

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

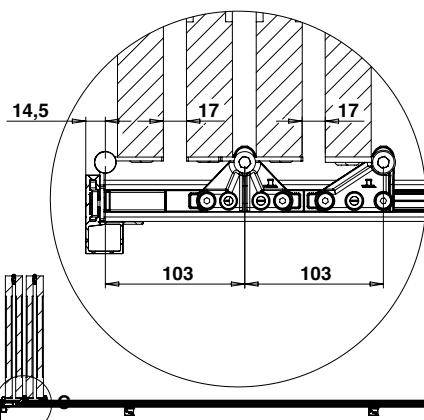
Plan de coupe

Configuration

4 + 0

EXT.

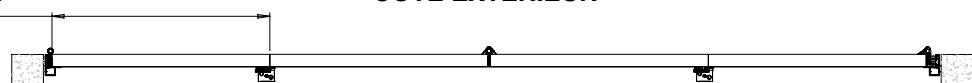
INT.



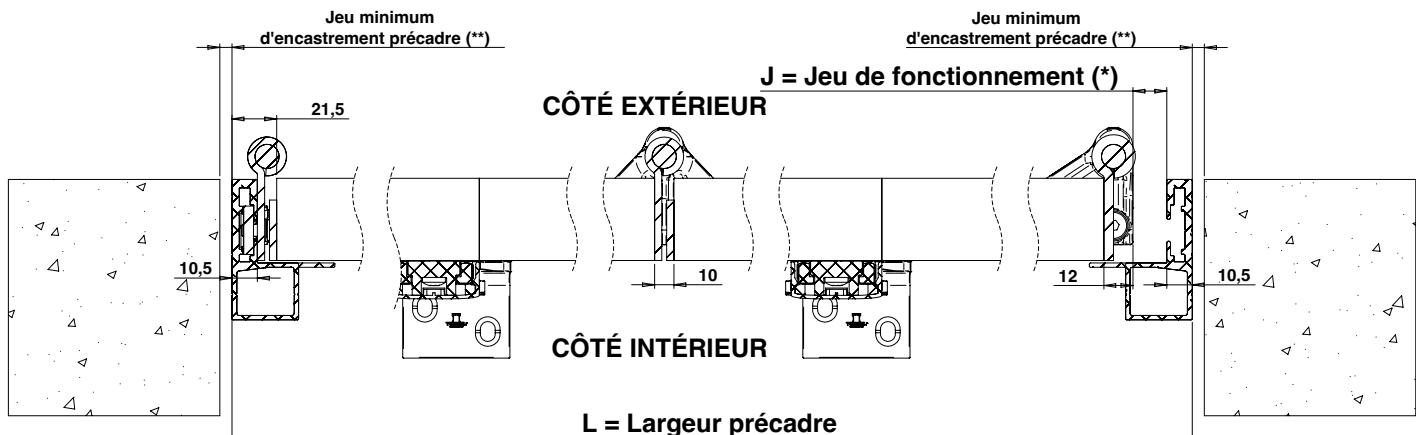
INTÉRIEUR

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

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.

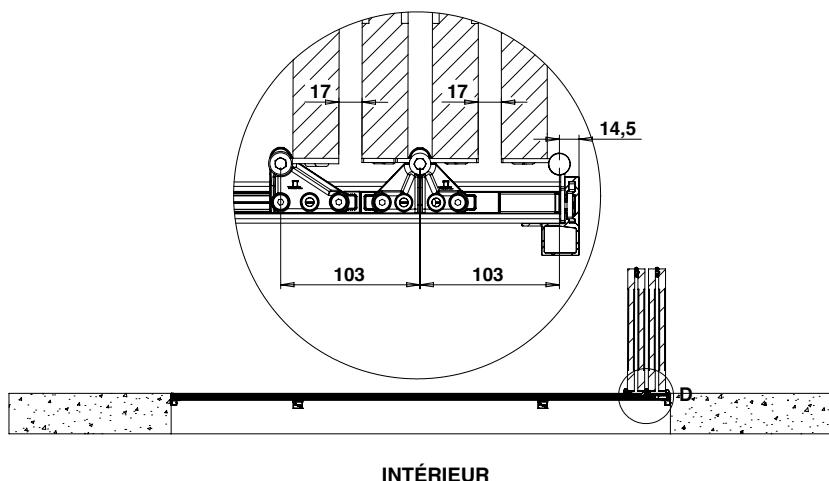
(*) Recul du chariot :

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.

Plan de coupe

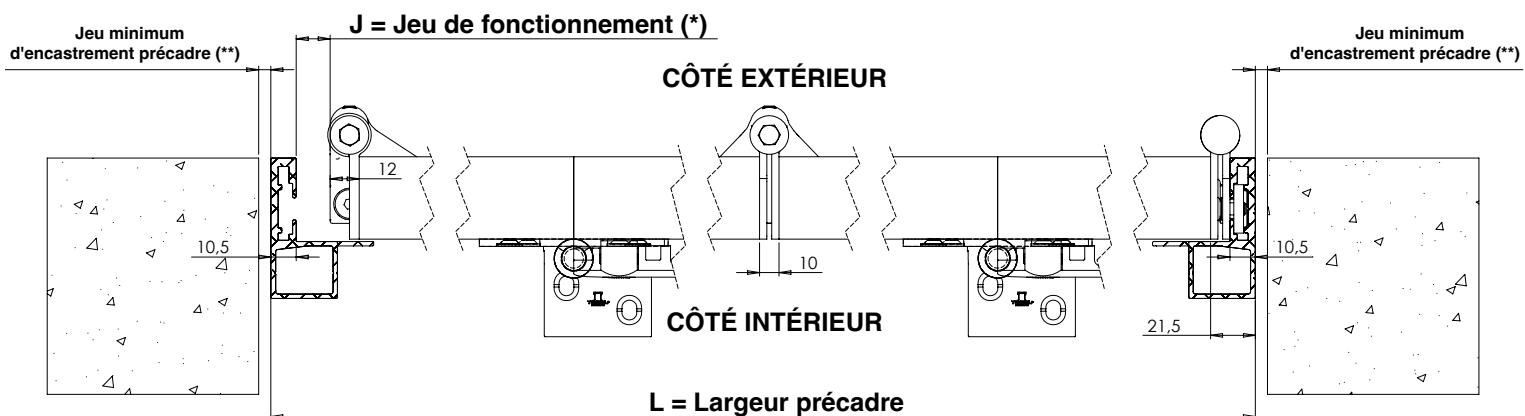
Configuration
0 + 4
EXT.
INT.



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

CÔTÉ EXTÉRIEUR

CÔTÉ INTÉRIEUR



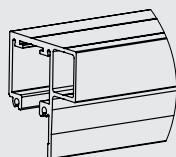
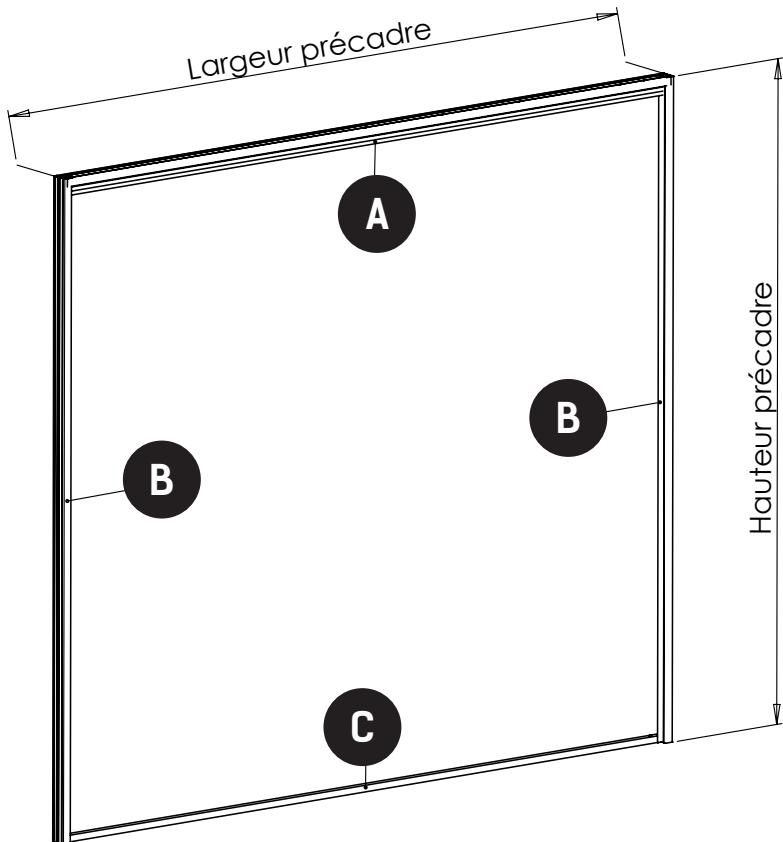
(*) Le jeu de fonctionnement J doit intégrer le recul du chariot lors de la fermeture, les tolérances dimensionnelles des vantaux et du précadre ainsi que les dilatations liées aux variations hygrométrique et thermique.

(*) Recul du chariot :

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

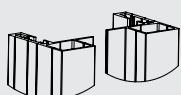
(**) Un jeu minimum d'enca斯特rement périphérique au précadre de 5 mm est suggéré sur les dimensions minimums des ouvertures de baie.

1 Débits des profils



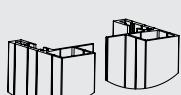
A VR10906

Longueur rail de guidage haut =
Largeur de précadre - 21 mm



B VR10917

Longueur profil tableau =
Hauteur précadre



B VR10917

OPTION sans usinage CN

Avec platines de jonction

Longueur profil tableau =
Hauteur précadre - 62 mm



C VR10926

Longueur rail de guidage bas =
Largeur de précadre - 21 mm

2

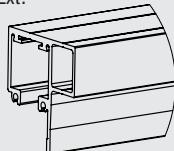
Percage et usinage des profils

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



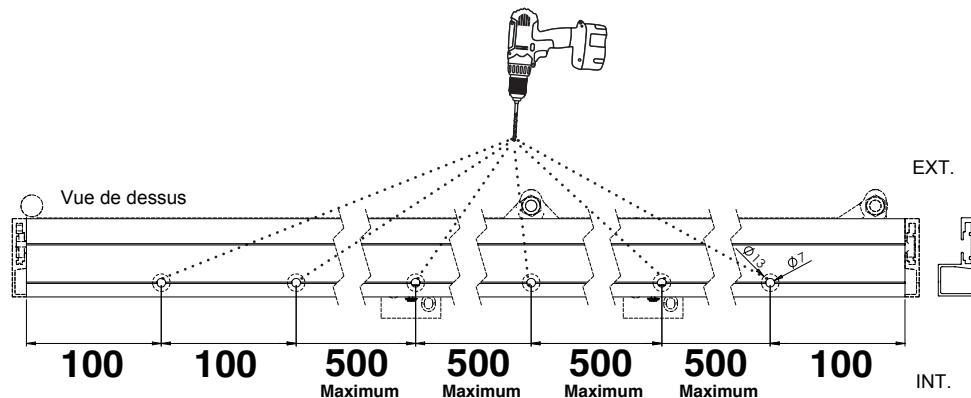
2.1

Ext.



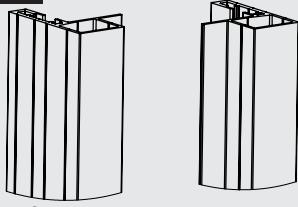
Int.

A VR10906

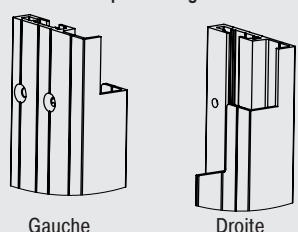


2.2

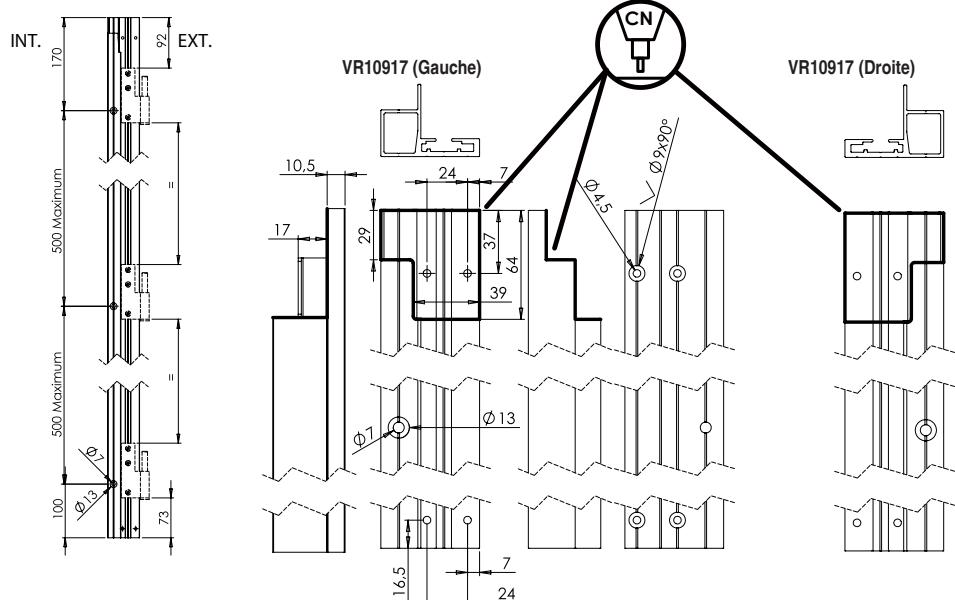
Avant usinage



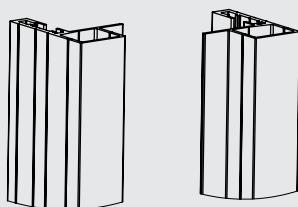
Après usinage



B VR10917



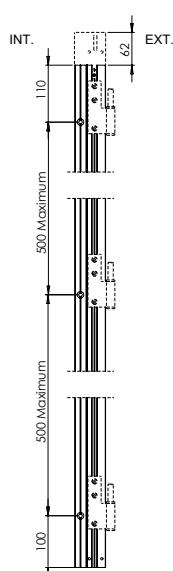
OU



B VR10917

OPTION
sans usinage CN

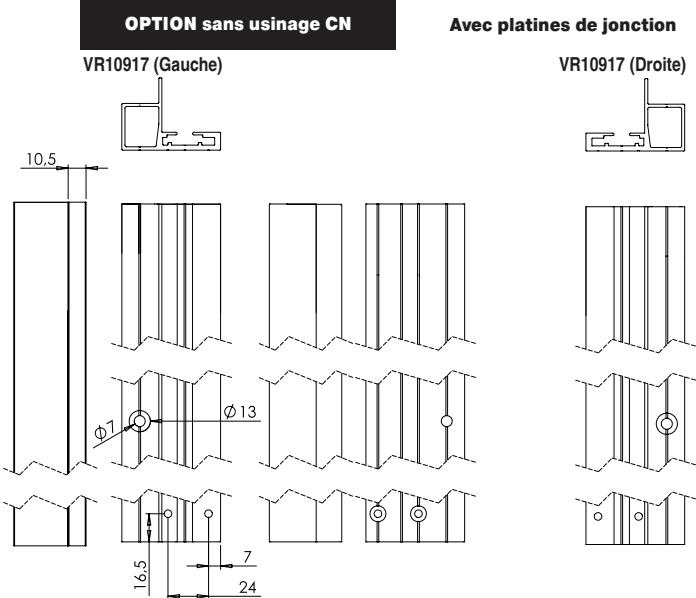
T VR10918

**OPTION sans usinage CN**

VR10917 (Gauche)

Avec platines de jonction

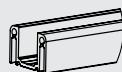
VR10917 (Droite)



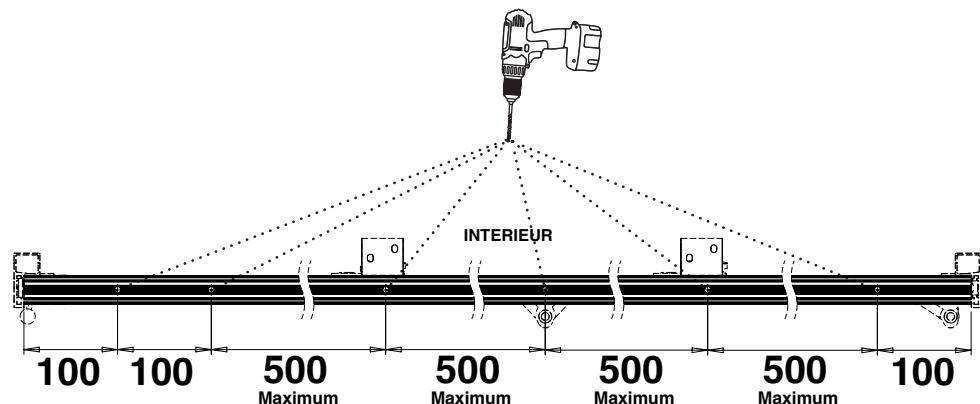
2

Percage et usinage des profils

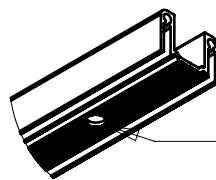
Les points de fixation doivent se situer au niveau des points singuliers.

**2.3**

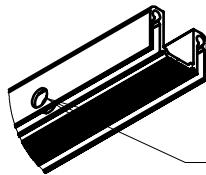
C VR10926



Drainage du rail de guidage bas

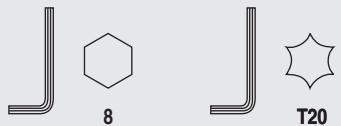


Drainage vertical Ø8



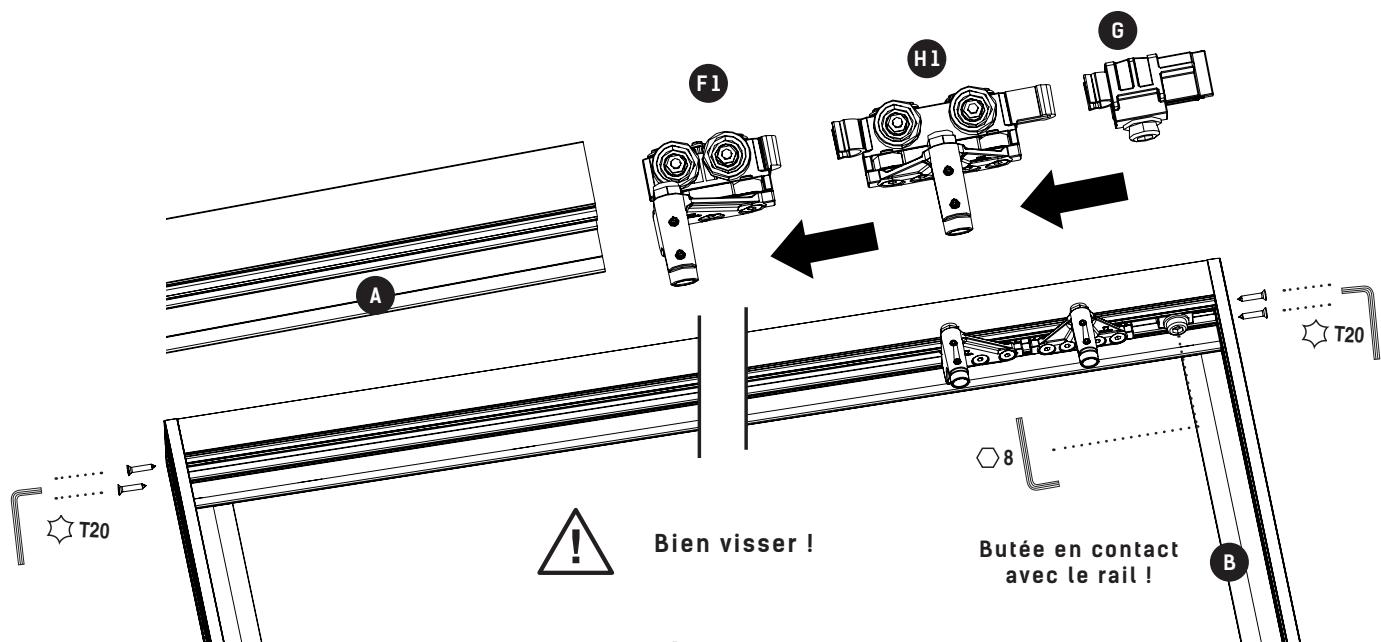
Drainage horizontal Ø8
(orienté vers l'extérieur)

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.

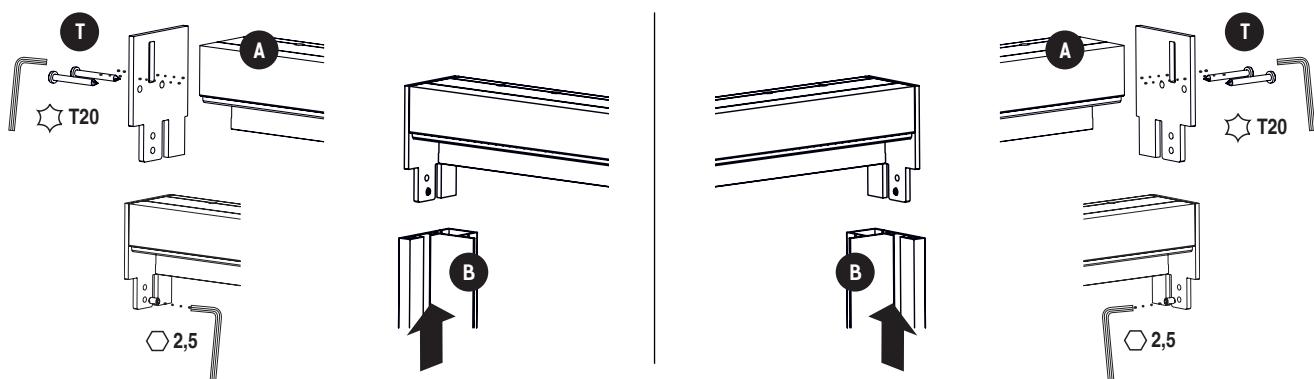
3.1



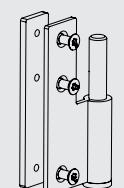
OU

OPTION sans usinage CN

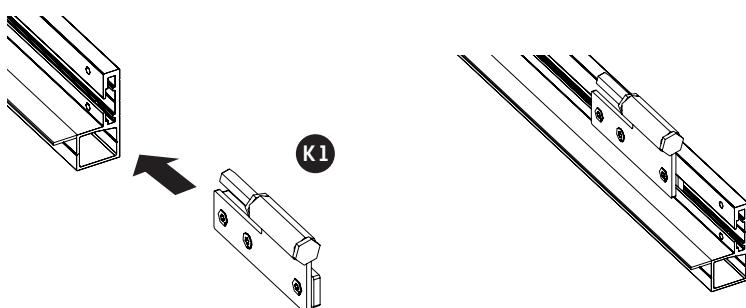
Avec platines de jonction



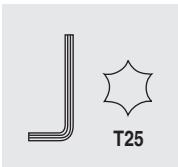
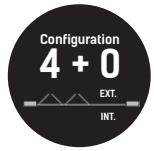
3.2



K1 VR10821G

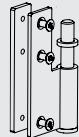


3 Montage du précadre

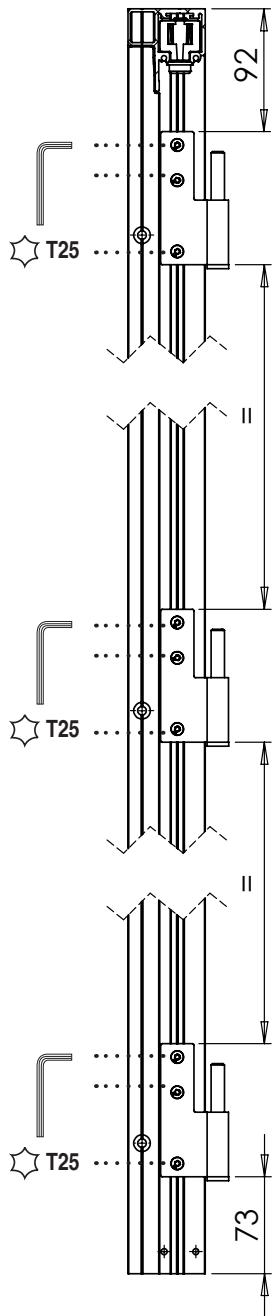


Pour faciliter le montage et permettre de poser le précadre à plat, les étapes ci-dessous sont orientées en vue de l'extérieur.

3.3



K1 VR10821G

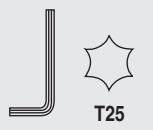


The diagram illustrates three categories of door height based on the total height H:

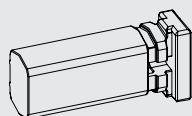
- < 1800 mm:** Shows a door frame with a height H. The door itself is shorter than 1800 mm.
- 1800 mm <....> 2800 mm:** Shows a door frame with a height H. The door height is between 1800 mm and 2800 mm. A callout indicates the door height is less than 1800 mm in one section and greater than 2800 mm in another.
- > 2800 mm:** Shows a door frame with a height H. The door height is greater than 2800 mm. A callout indicates the door height is greater than 2800 mm.

3 Montage du précadre

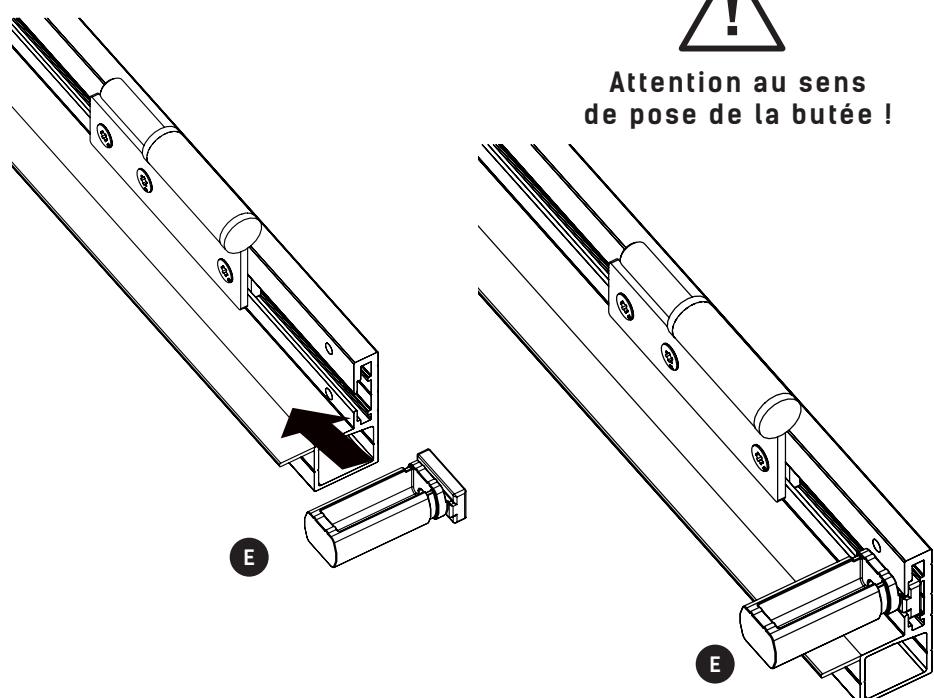
Pour faciliter le montage et permettre de poser le précadre à plat, les étapes ci-dessous sont orientées en vue de l'extérieur.



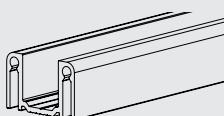
3.4



E VR10830



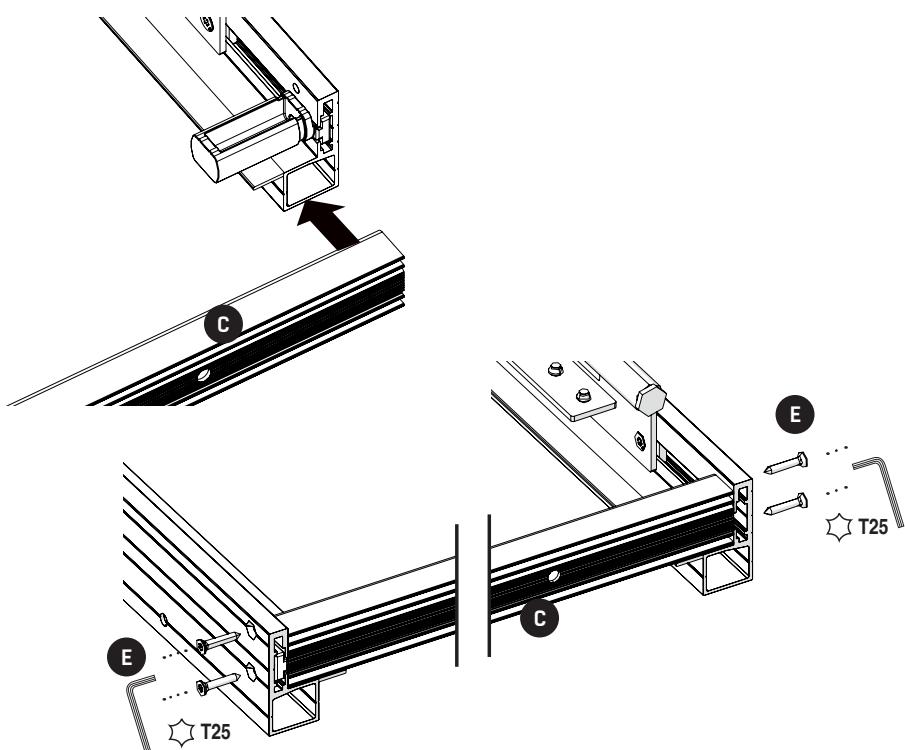
3.5



C VR10926

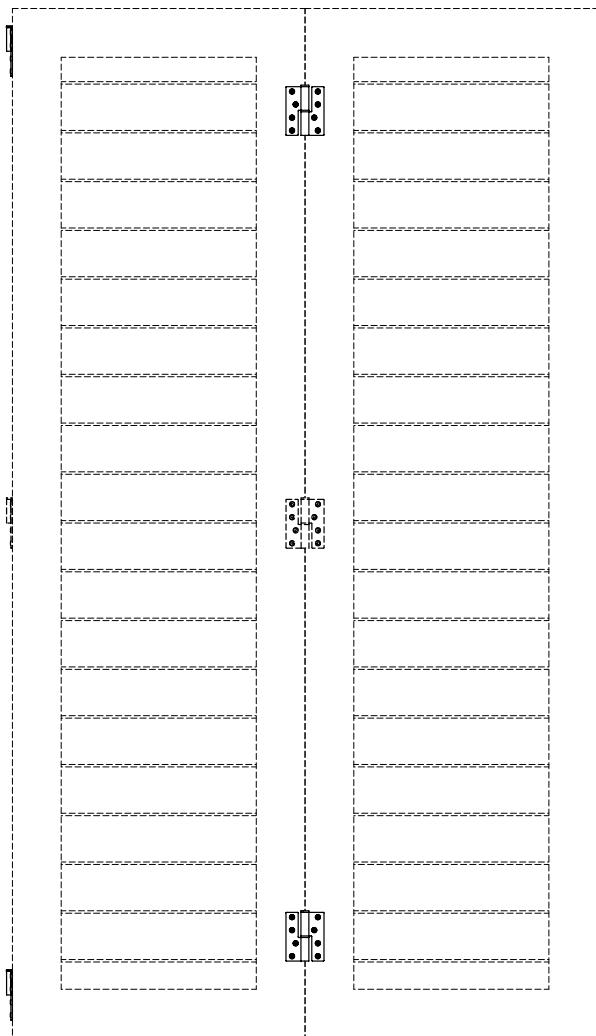


E VR10830

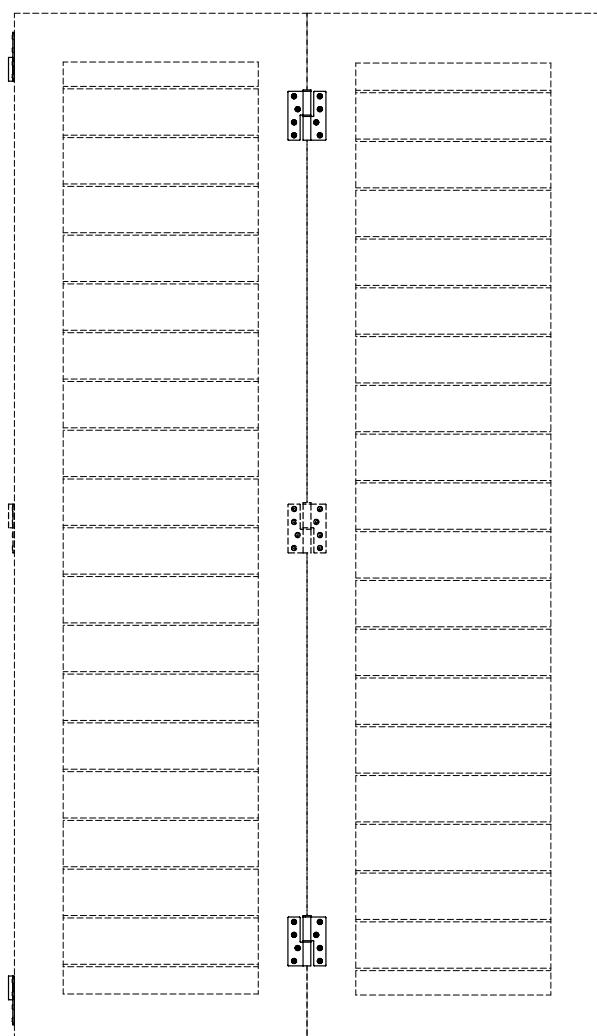




**1^{ère} paire
de vantaux**



**2^{ème} paire
de vantaux**

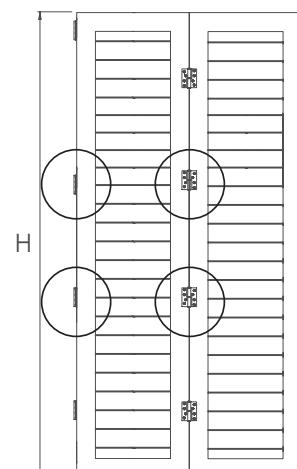
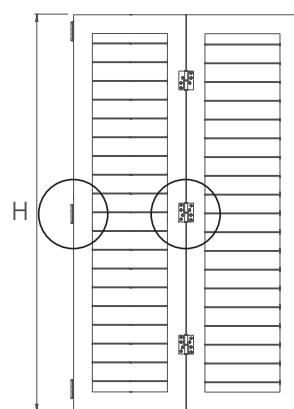
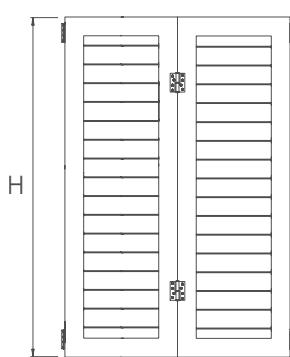


H

< 1800 mm

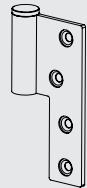
1800 mm <....> 2800 mm

> 2800 mm

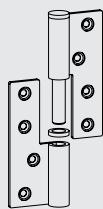




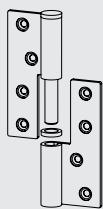
4.1



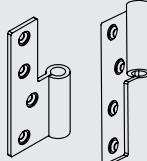
K1 VR10821G



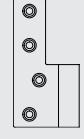
L1 VR10809G



L2 VR10810D



M VR10828



En option
si H>1800 mm

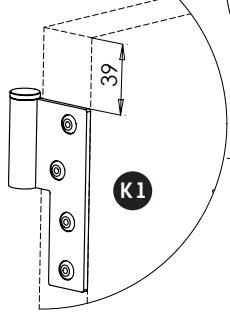
N1 VR10816G

Vue de l'intérieur

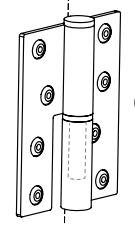
Axe vers le bas !



L2

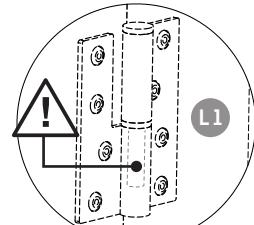


K1

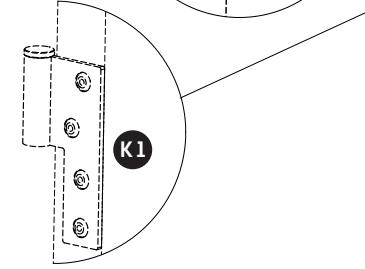


L1

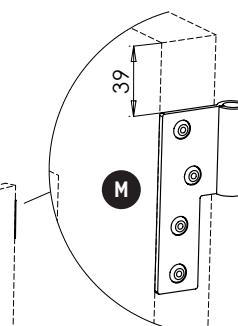
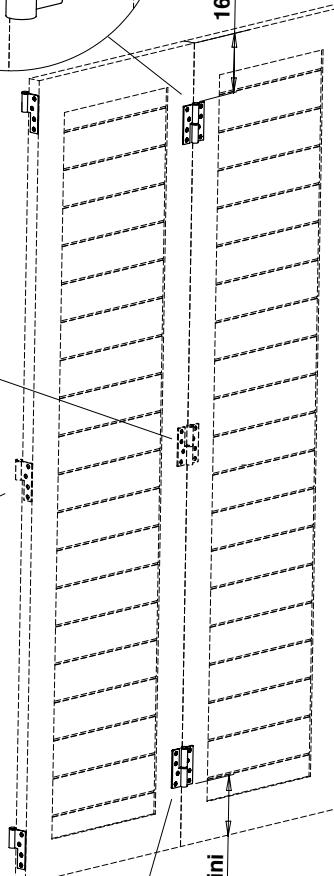
Axe vers le bas !



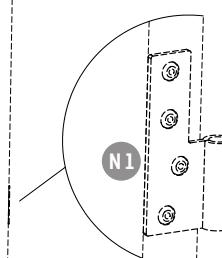
K1



K1



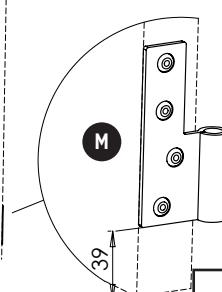
M



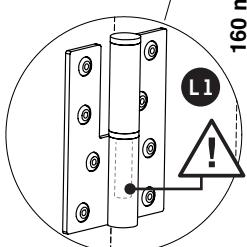
N1



Attention pour
la position du verrou !
Voir P.22



M



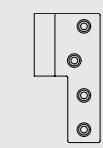
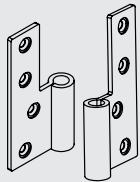
L1

Axe vers le bas !





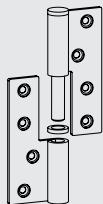
4.2



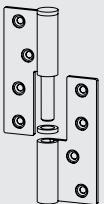
En option
si H>1800 mm

M VR10828

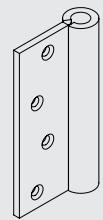
N1 VR10816G



L1 VR10809G



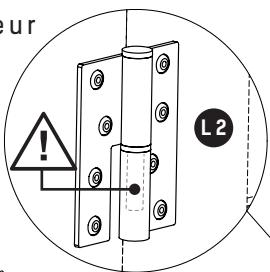
L2 VR10810D



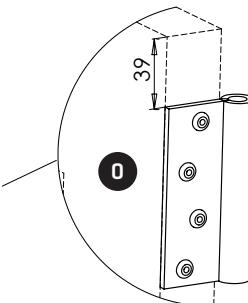
O VR10818

Vue de l'intérieur

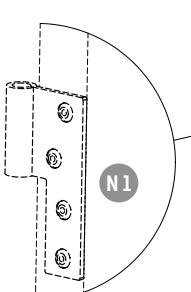
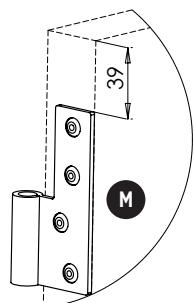
Axe vers le bas !



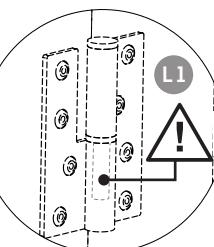
160 mini



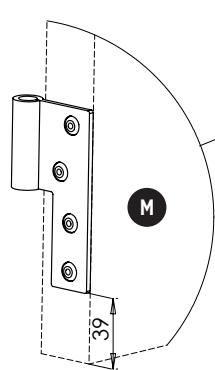
39



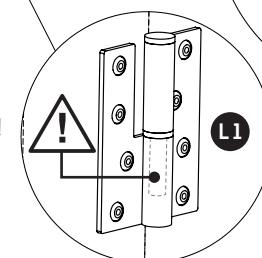
Axe vers le bas !



Attention pour
la position du verrou !
Voir P.22

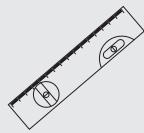


Axe vers le bas !



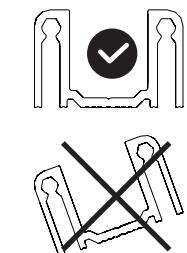
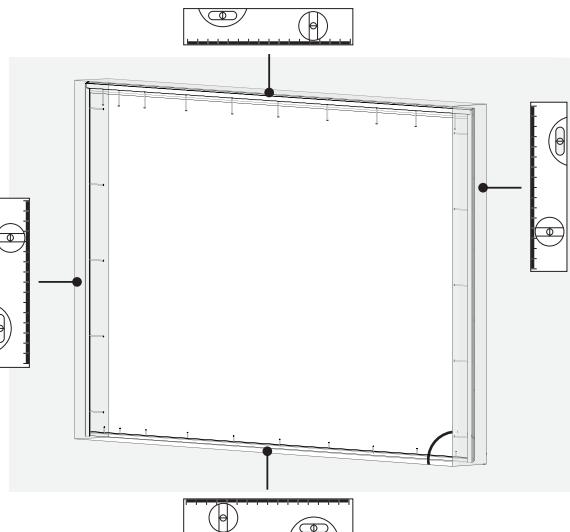
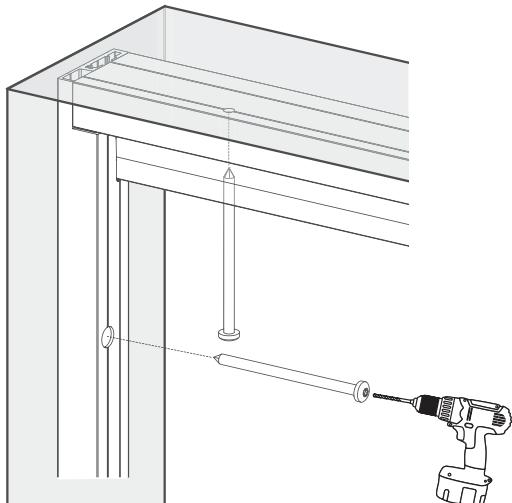
39





5

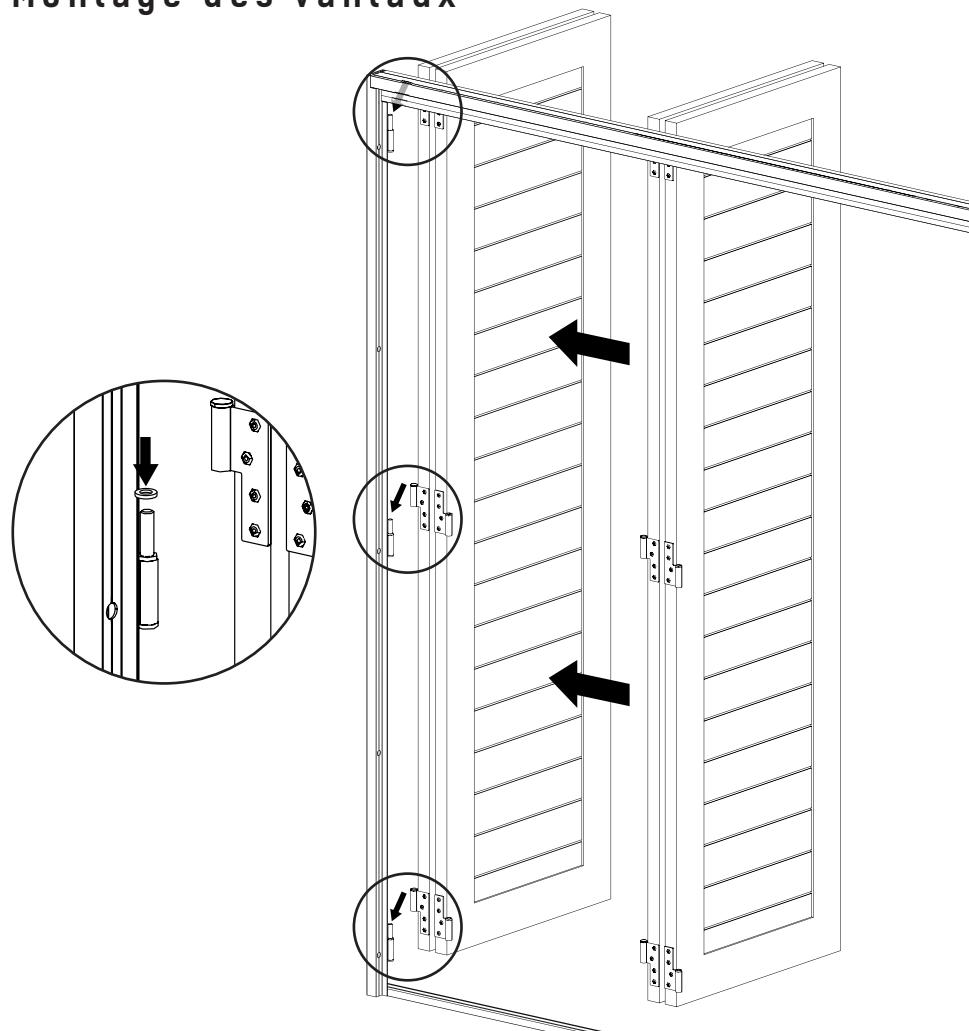
Mise en place du pré-cadre (ajustement géométrie et calage)



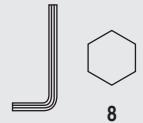
6

Montage des vantaux

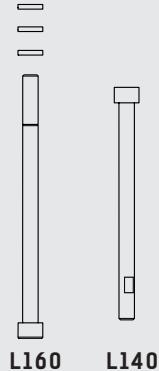
Vues de l'intérieur



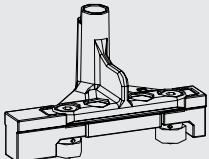
7 Montage des guidages



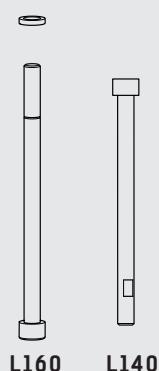
7



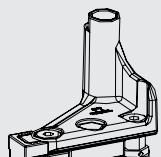
M VR10828



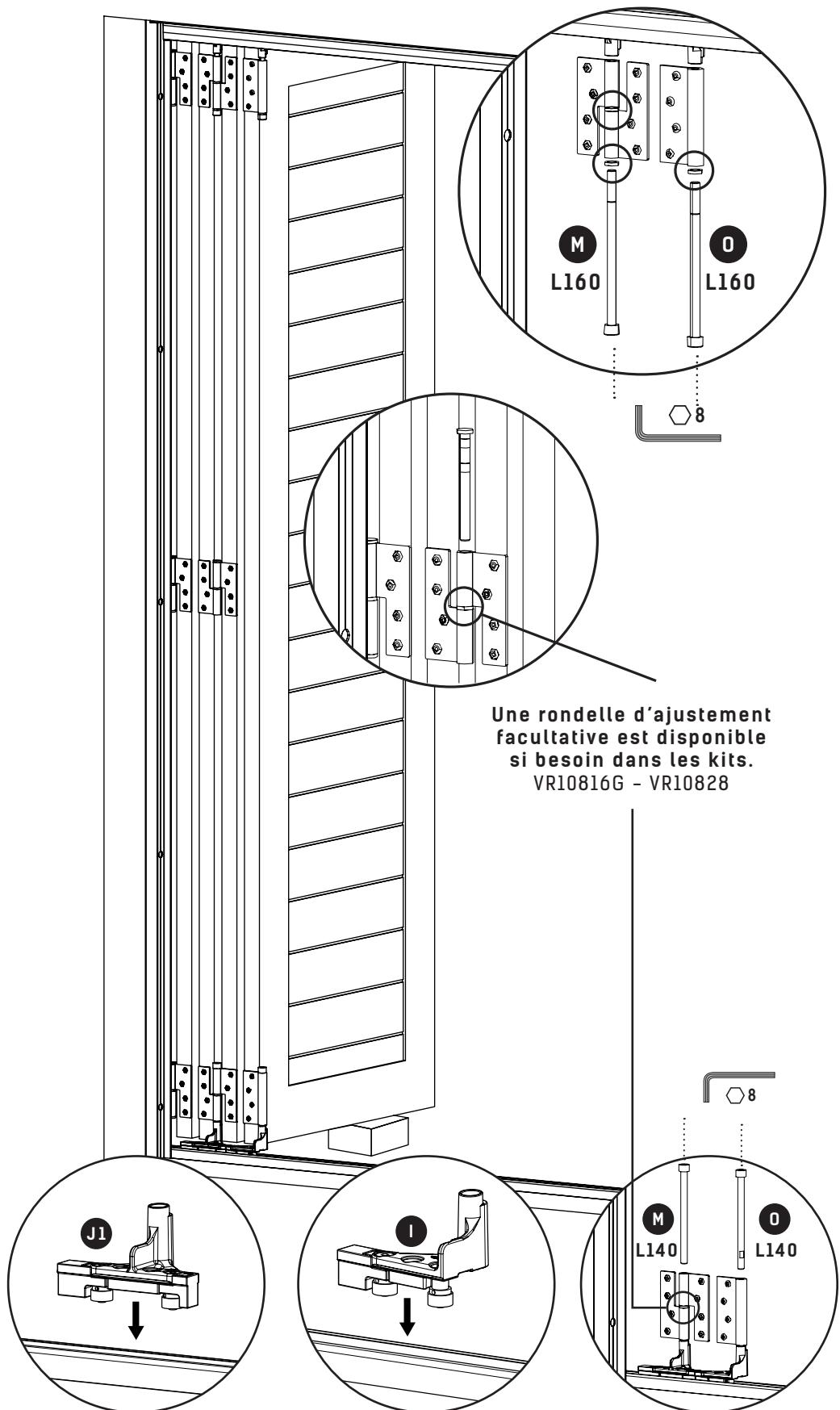
J1 VR10800G



O VR10818

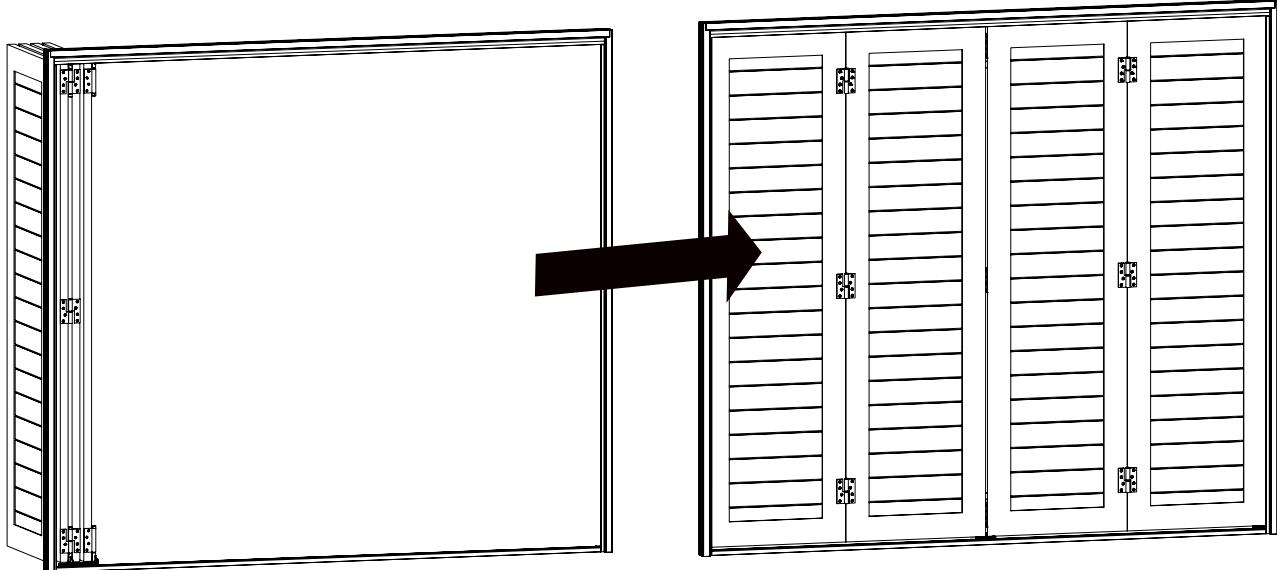


I1 VR10400G

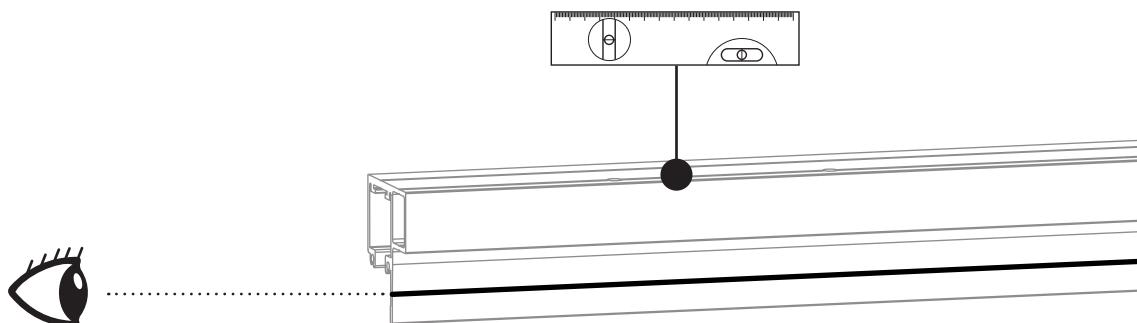




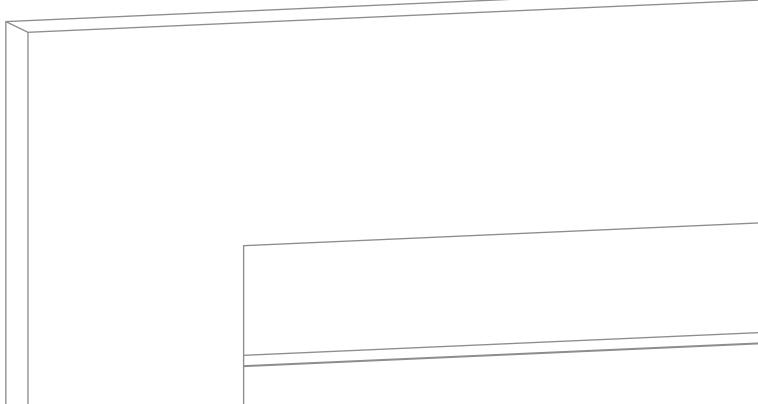
8.1

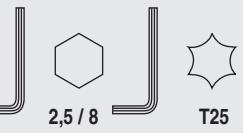


8.2



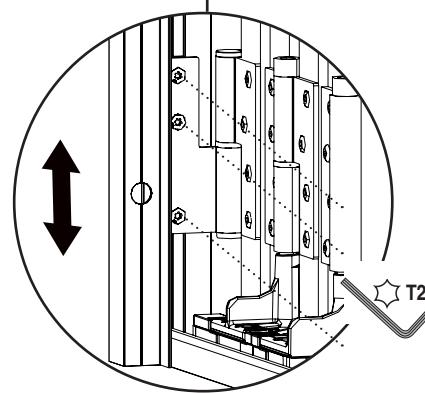
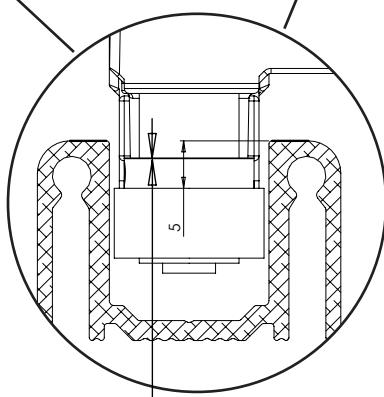
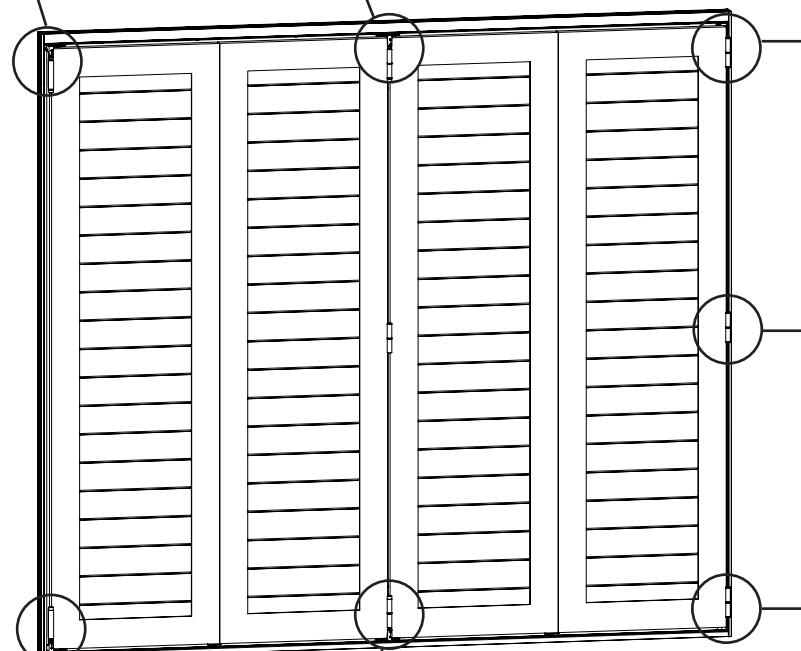
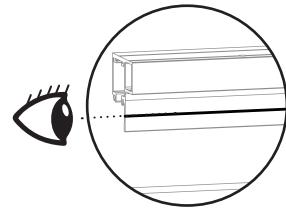
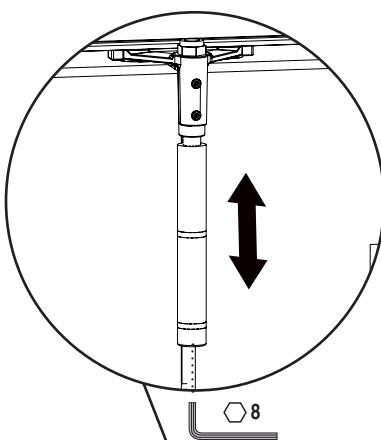
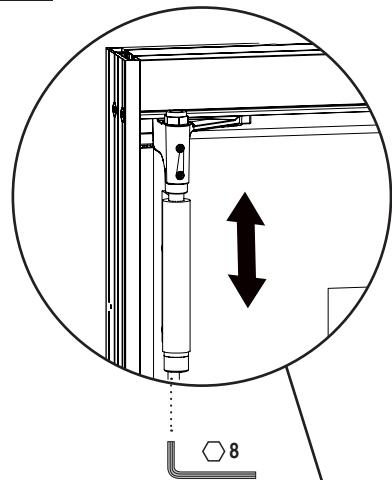
Repérer la ligne sur le profil,
qui permet de bien
positionner les vantaux
horizontalement.





8.3

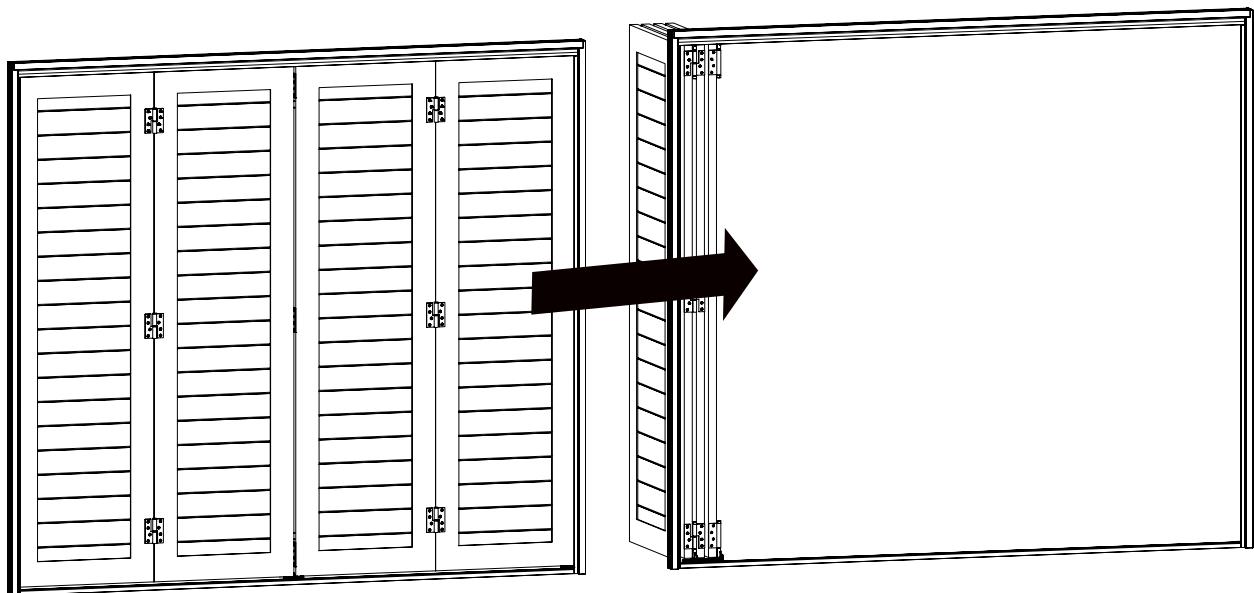
Vues de l'extérieur



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

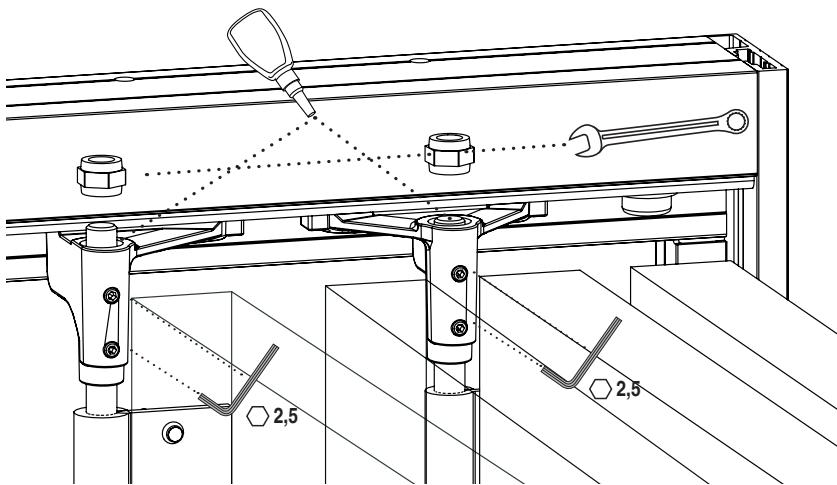


8.4

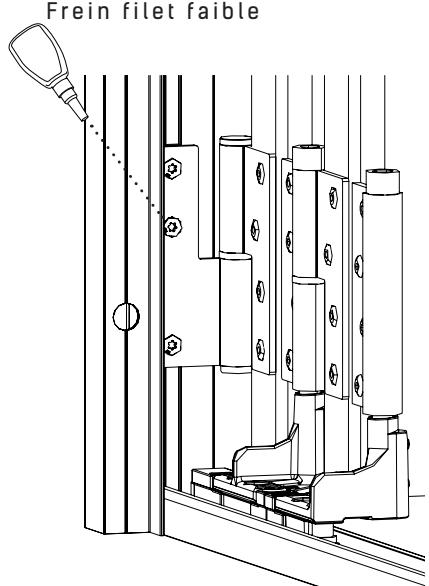


Sécurisation du montage

Frein filet faible



Frein filet faible

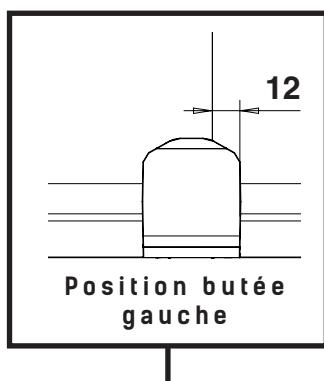
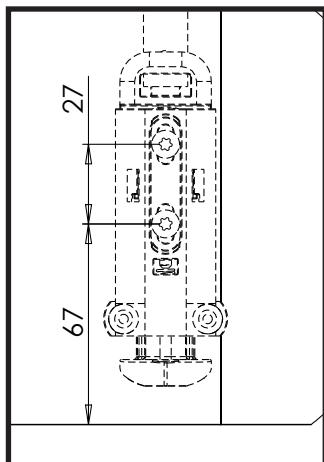
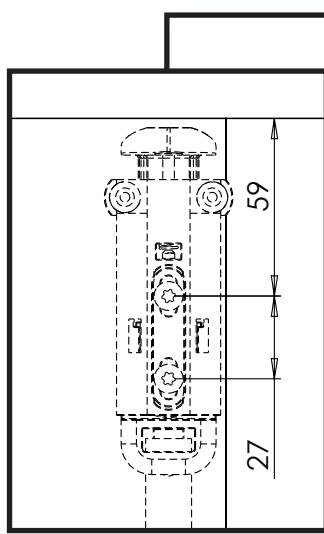


9

Montage du verrou et de la butée



9.1



H (haut) = Hauteur vantail - H (haut) - 105

L triangle (bas) = H (bas) - 115

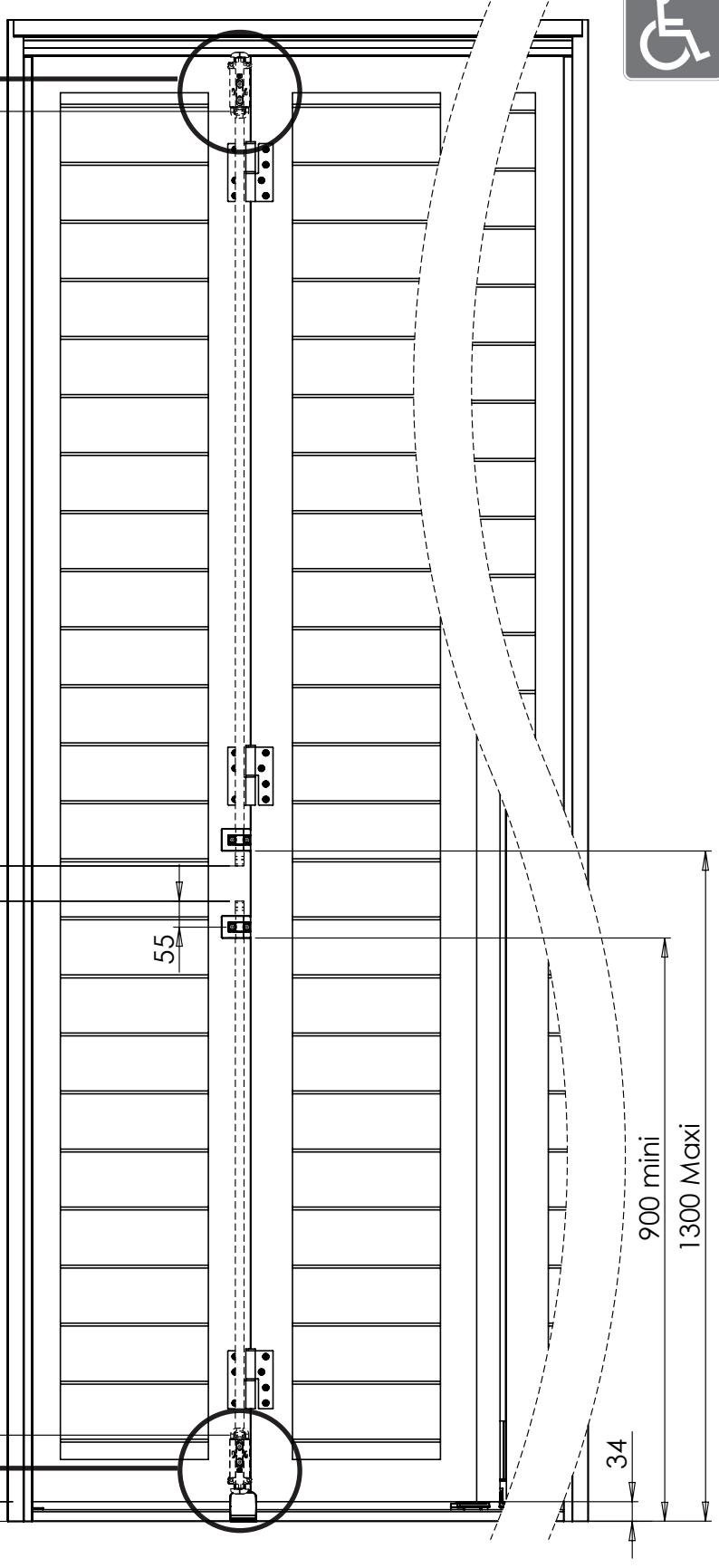
30 Mini

H (haut)
 H (bas)

L triangle (haut) = H (haut) - 34

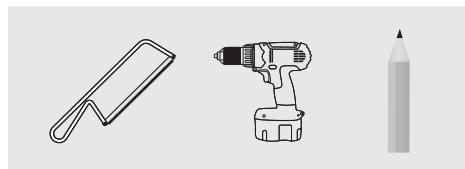
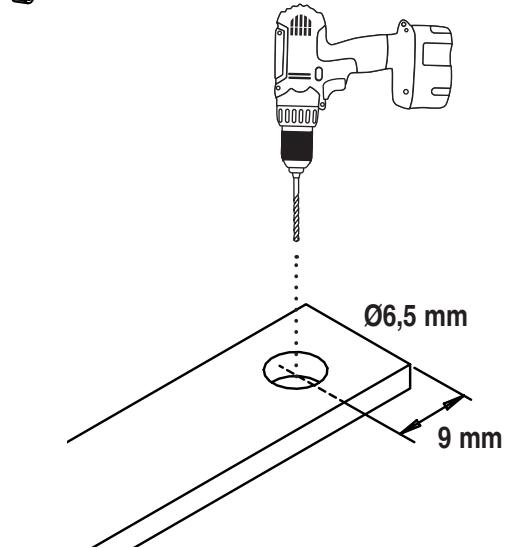
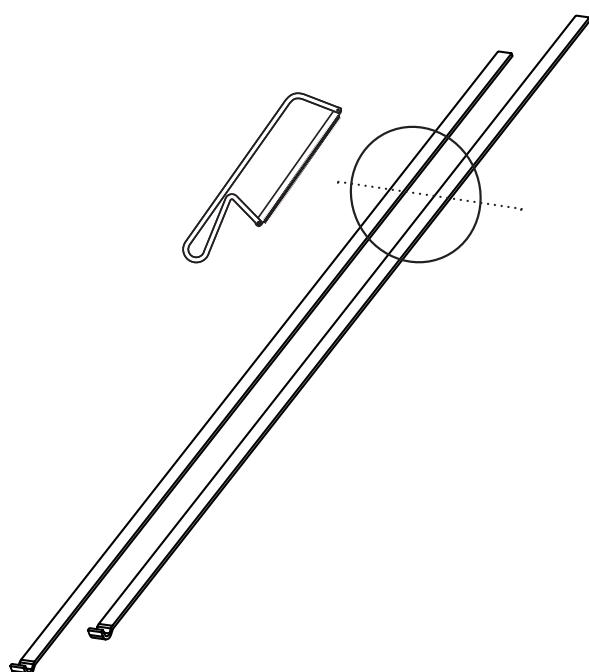
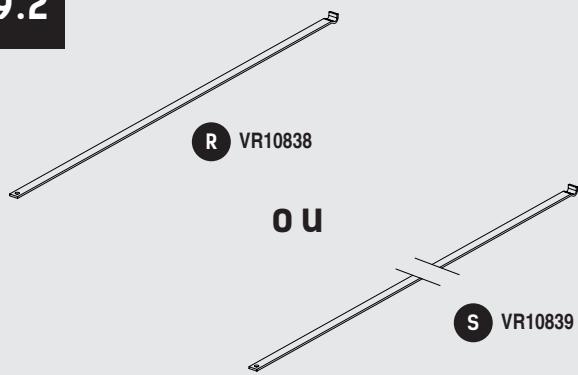
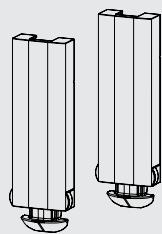
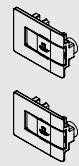
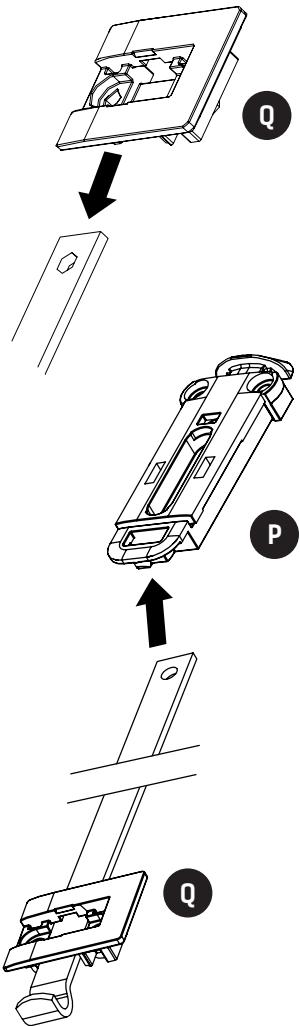
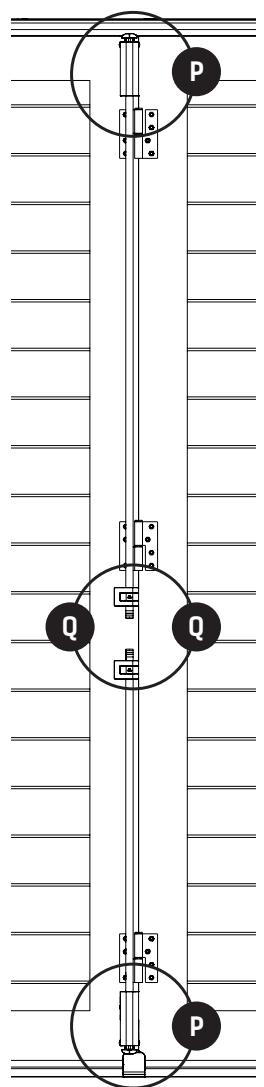
34

55



9

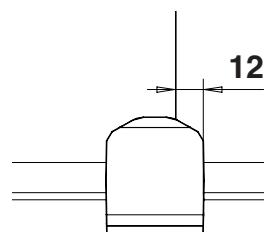
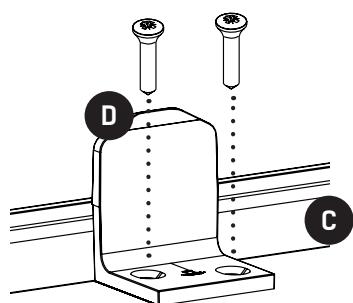
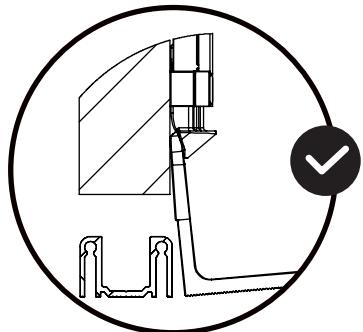
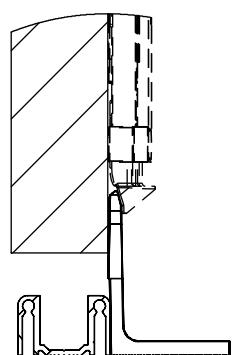
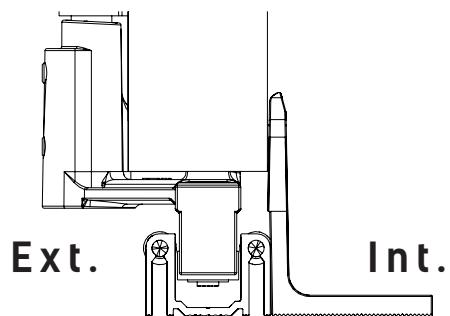
Montage du verrou et de la butée

**9.2****9.3****P VR10835****Q VR10837**

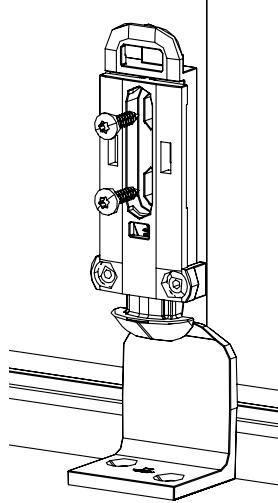
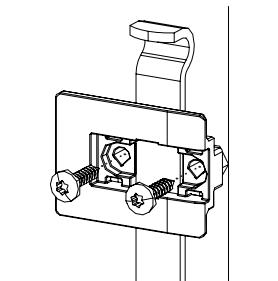
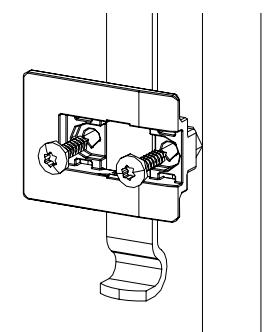
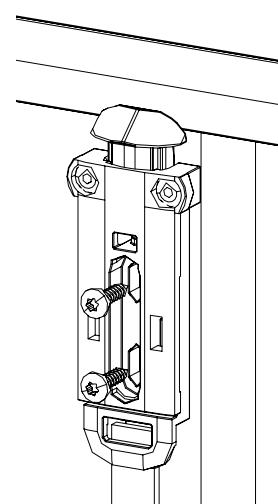
9

Montage du verrou et de la butée

Configuration
4 + 0
EXT.
INT.

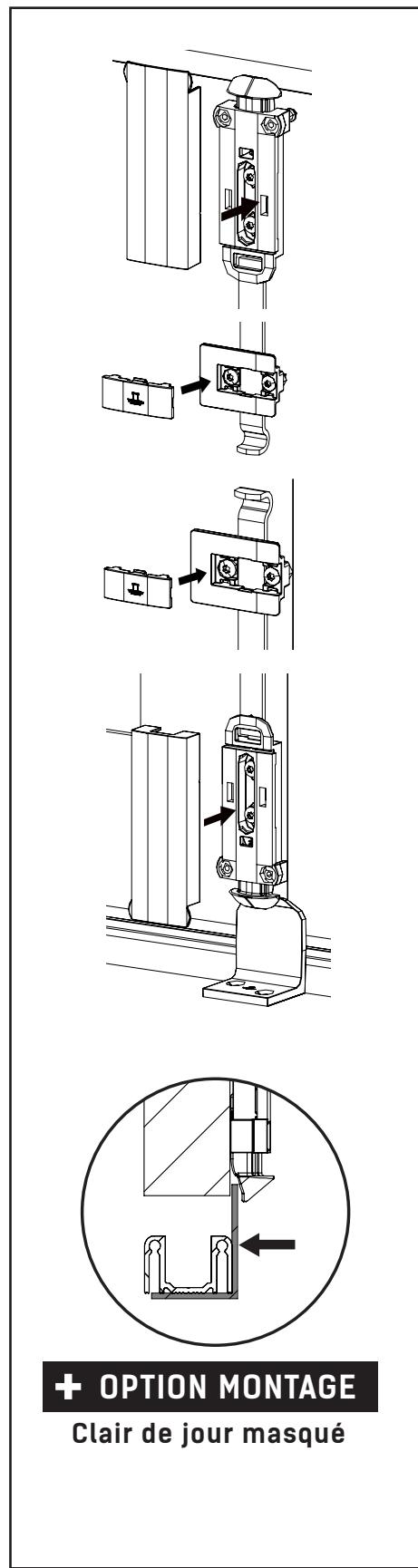
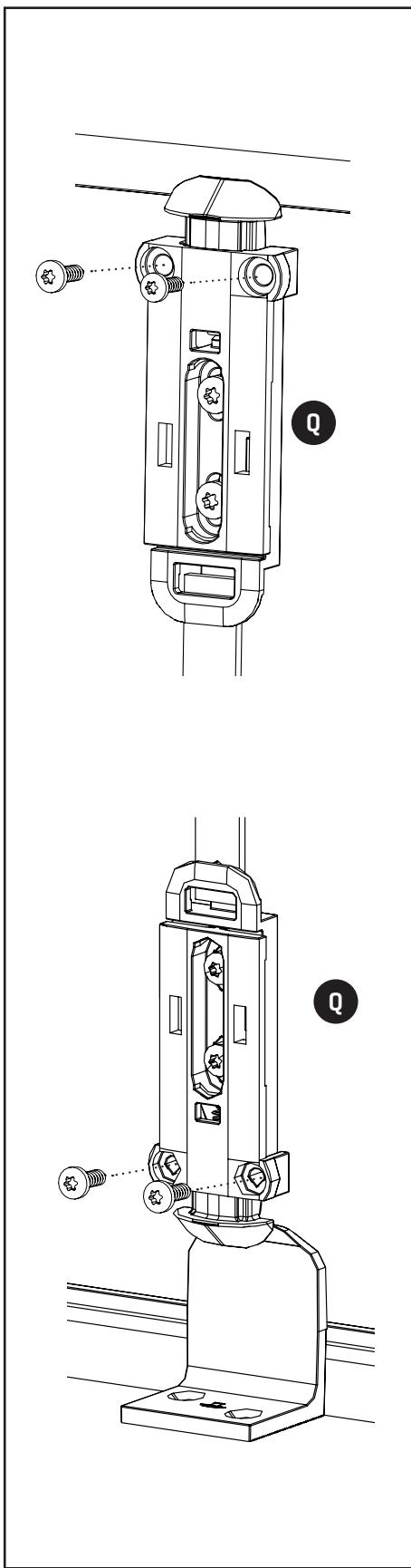
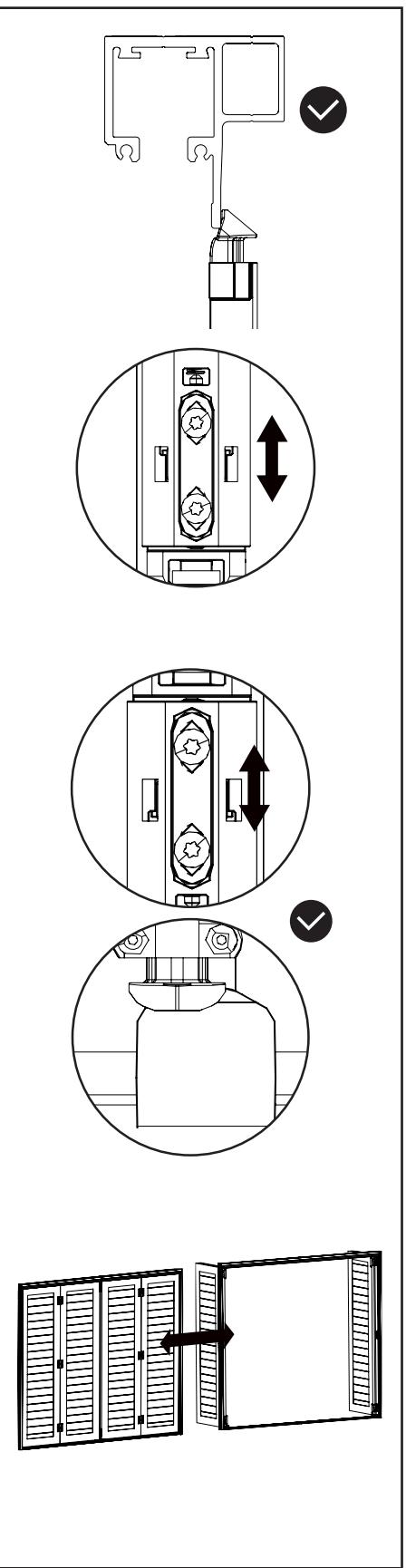


Position butée
gauche



9

Montage du verrou et de la butée



Installation terminée !





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TORBEL® INDUSTRIE
504, Avenue du canton de Levens F-06690 Tourrette-Levens
Tél : +33 4 93 91 01 44 - www.torbel.fr - info@torbel.com

