

Installation guide

Swing models



Installation:



2 persons



Difficulty Beginner

Tools				
				
Power	Utility	Rubber mallet	Tape	MetaWdrilWbit diameter 4 mm max.
				
PH2 bit or 10 mm socket wrench	Hexagon head bit 10 mm	Pliers	Phillips screwdriver	



Remember to clean your workspace regularly. The presence of metaWshavings can cause scratches on the aluminium.

Tip 1: If the covers do not clip on properly and slip into the uprights or crossbars, you can pinch them using pliers, creating a slight “beak” that wilWprovide bring the necessary resistance for a secure fit.

Tip 2: You can use a tube of silicone during installation, applied with a manuaWcaulking gun, to prevent any noise caused by the movement of the bars. A smalWamount of silicone applied to each bar in the groove of the 102 x 30 crossbars is sufficient.

❖ GATE ACCESSORIES

						
Lock + cylinder screw M5x80 countersunk Quantity: 1	Black handle Quantity: 1	Cylinder + 3 keys Quantity: 1	Lock screw 4.8 x 25 countersunk Quantity: 2	End upright cap Quantity: 4	Centre upright cap Quantity: 2	Screws 4.8 x 22 for upright caps Quantity: 18
						
CentraWbearing block Quantity: 1	Hollow seal Quantity: 1	Stainless steel strike plate Quantity: 1	Adjustable top hinge Quantity: 2	Adjustable bottom hinge Quantity: 2	Strike plate screw 4.8 x 25 countersunk head Quantity: 2	

❖ SIDE GATE ACCESSORIES

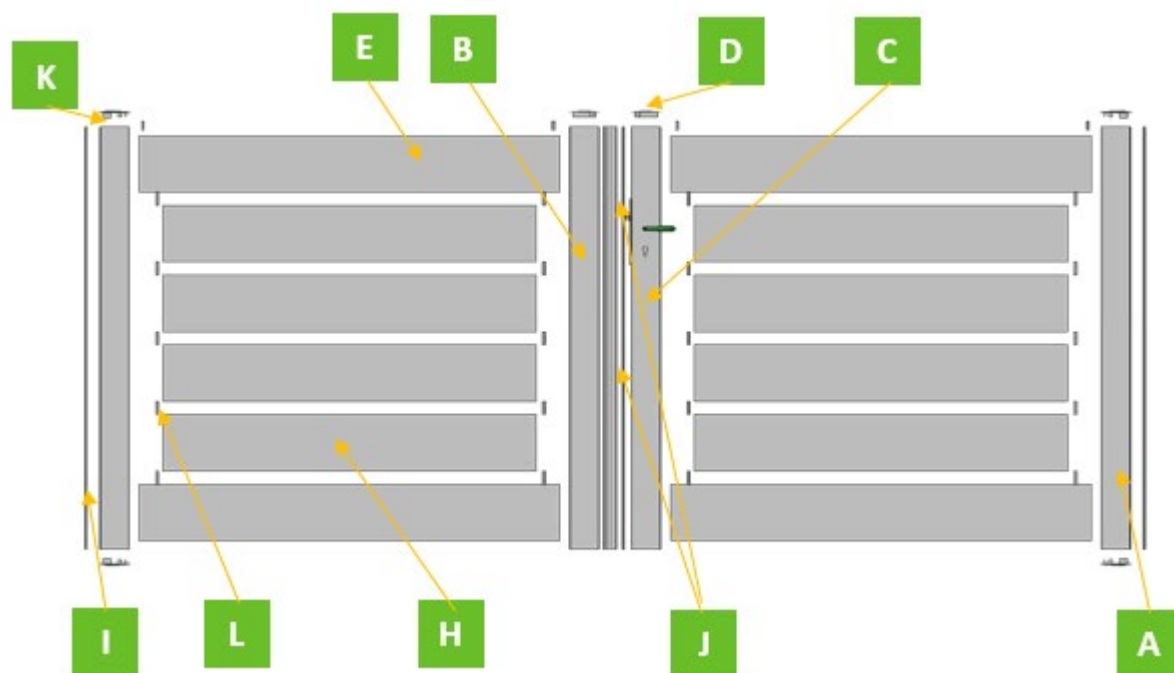
						
Lock + cylinder screw M5x80 countersunk Quantity: 1	Black handle Quantity: 1	Cylinder + 3 keys Quantity: 1	Lock screw 4.8 x 25 countersunk Quantity: 2	End upright cap Quantity: 2	Centre upright cap Quantity: 1	Screws 4.8 x 22 for upright caps Quantity: 9
						
Strike plate + M5 x 8 countersunk head screw Quantity: 1	Stainless steel strike Quantity: 1	Adjustable top hinge Quantity: 1	Adjustable bottom hinge Quantity: 1	Strike plate screw 4.8 x 25 countersunk head Quantity: 2		

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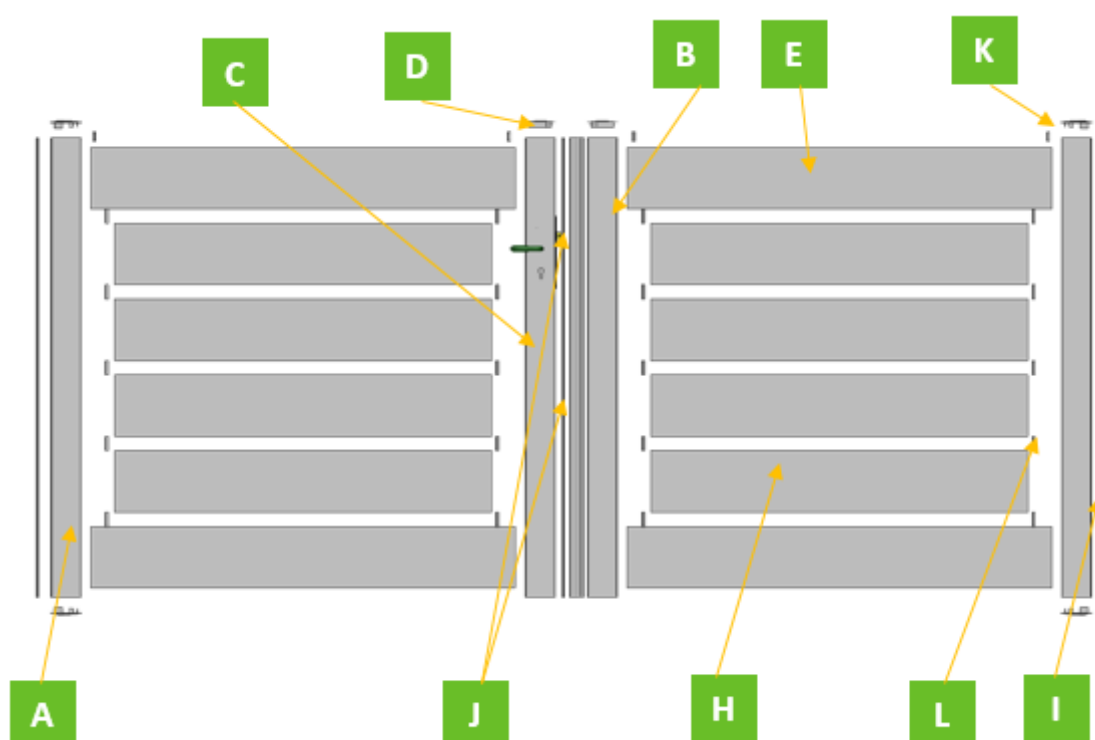
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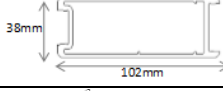
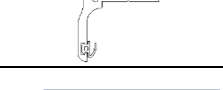
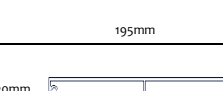
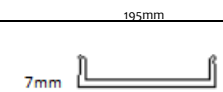
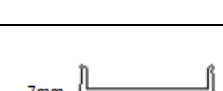
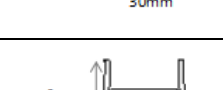
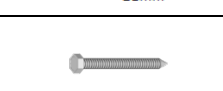
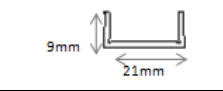
SAH gate & parts list

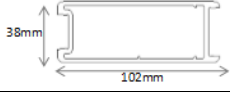
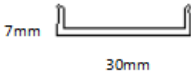
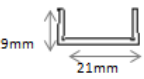
Layout of the profiles: Assembly for a RIGHT push



Layout of the profiles: Assembly for a LEFT push

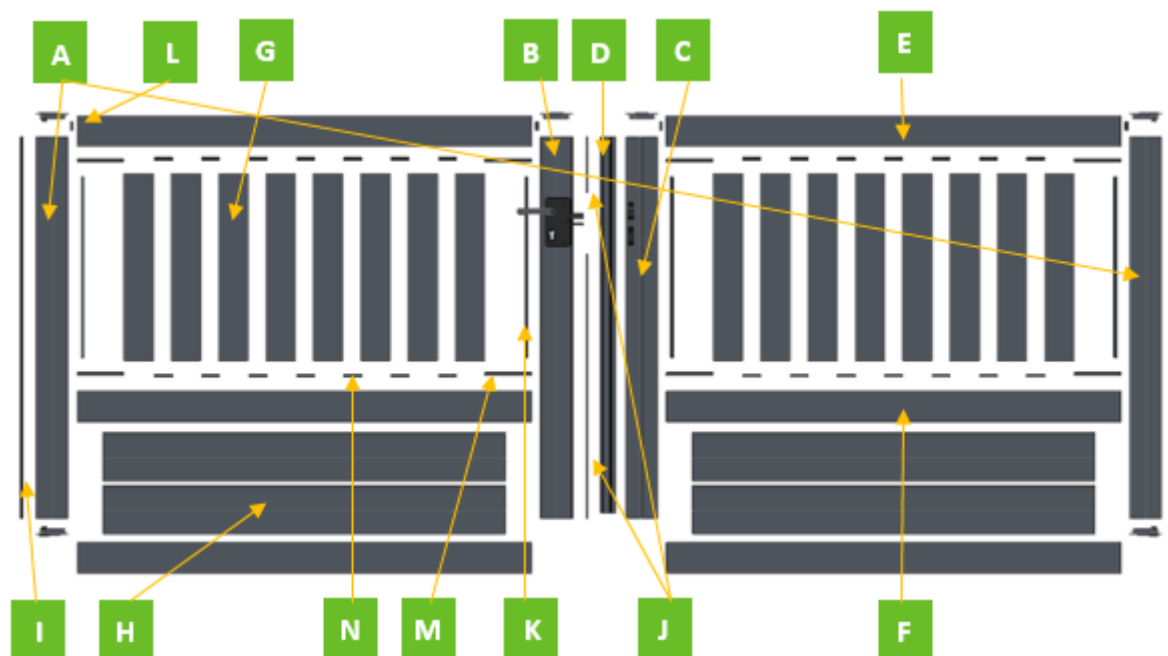


	NOMENCLATURE		SAH MODEL							
REF	PROFILES	(sectional view)	W1000 x H 1500	W3000 x H 1500	W3500 x H 1500	W4000 x H 1500	W 1000 x H 1700	W3000 x H 1700	W3500 x H 1700	W4000 x H 1700
A	End amount		Qty : 1 (1455mm)	Qty : 2 (1455mm)	Qty : 2 (1455mm)	Qty : 2 (1455mm)	Qty : 1 (1695mm)	Qty : 2 (1695mm)	Qty : 2 (1695mm)	Qty : 2 (1695mm)
B	Lock amount		Qty : 1 (1455mm)	Qty : 1 (1455mm)	Qty : 1 (1455mm)	Qty : 1 (1455mm)	Qty : 1 (1695mm)	Qty : 2 (1695mm)	Qty : 1 (1695mm)	Qty : 1 (1695mm)
C	Strike amount			Qty : 1 (1455mm)	Qty : 1 (1455mm)	Qty : 1 (1455mm)		Qty : 2 (1695mm)	Qty : 1 (1695mm)	Qty : 1 (1695mm)
D	Beat			Qty : 1 (1435mm)	Qty : 1 (1435mm)	Qty : 1 (1435mm)		Qty : 2 (1675mm)	Qty : 2 (1675mm)	Qty : 2 (1675mm)
E	Crossing		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)	Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
H	Filler panel		Qty : 4 (776mm)	Qty : 8 (1286mm)	Qty : 8 (1536mm)	Qty : 8 (1786mm)	Qty : 5 (776mm)	Qty : 10 (1286mm)	Qty : 10 (1536mm)	Qty : 10 (1786mm)
I	Amount cover		Qty : 1 (1455mm)	Qty : 2 (1455mm)	Qty : 2 (1455mm)	Qty : 2 (1455mm)	Qty : 2 (1695mm)	Qty : 2 (1695mm)	Qty : 2 (1695mm)	Qty : 2 (1695mm)
J	Amount cover Lock		Qty : 1 (365mm) Qty : 1 (915mm)	Qty : 1 (365mm) Qty : 1 (915mm)	Qty : 1 (365mm) Qty : 1 (915mm)	Qty : 1 (365mm) Qty : 1 (915mm)	Qty : 1 (510mm) Qty : 1 (1010mm)	Qty : 1 (510mm) Qty : 1 (1010mm)	Qty : 1 (510mm) Qty : 1 (1010mm)	Qty : 1 (510mm) Qty : 1 (1010mm)
K	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
	6.3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16	Qty : 8	Qty : 16	Qty : 16	Qty : 16
L	Spacer cover		Qty : 10 (45mm)	Qty : 20 (45mm)	Qty : 20 (45mm)	Qty : 20 (45mm)	Qty : 12 (45mm)	Qty : 24 (45mm)	Qty : 24 (45mm)	Qty : 24 (45mm)

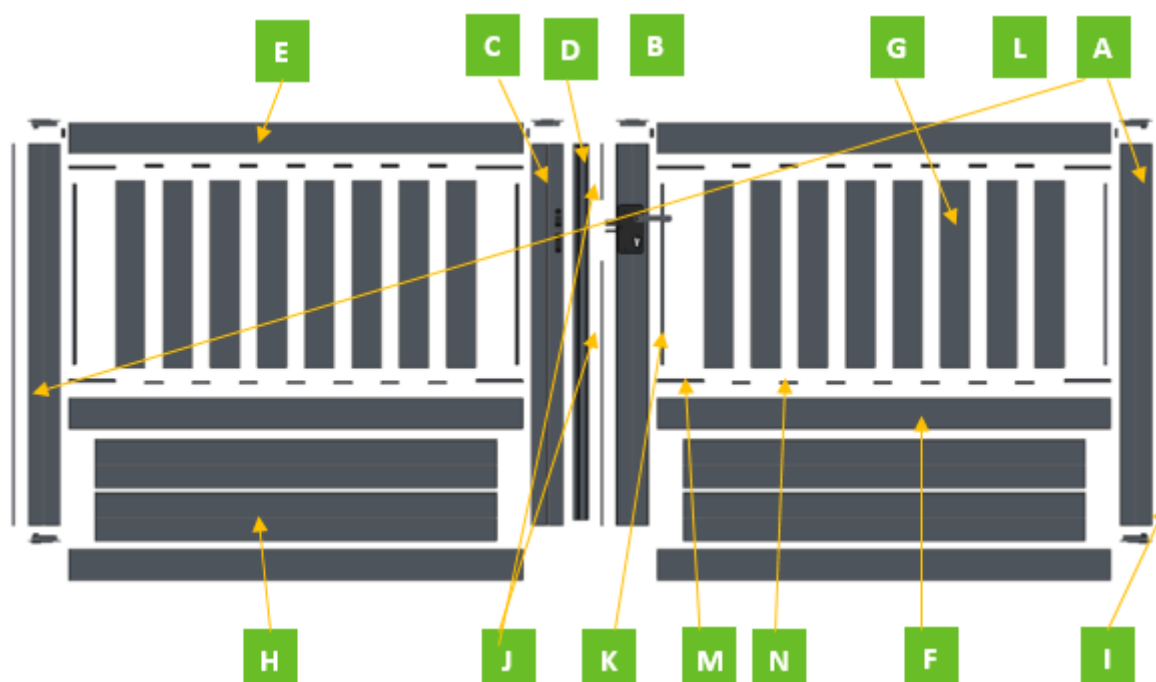
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REF	PROFILES	(sectional view)	W 1000 x H 1900	W 3000 x H 1900	W 3500 x H 1900	W 4000 x H 1900
A	End amount		Qty : 1 (1935mm)	Qty : 2 (1935mm)	Qty : 2 (1935mm)	Qty : 2 (1935mm)
B	Lock amount		Qty : 1 (1935mm)	Qty : 1 (1935mm)	Qty : 1 (1935mm)	Qty : 1 (1935mm)
C	Strike amount			Qty : 1 (1935mm)	Qty : 1 (1935mm)	Qty : 1 (1935mm)
D	Beat			Qty : 1 (1915mm)	Qty : 1 (1915mm)	Qty : 1 (1915mm)
E	Crossing		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
H	Filler panel		Qty : 6 (776mm)	Qty : 12 (1286mm)	Qty : 12 (1536mm)	Qty : 12 (1786mm)
I	Amount cover		Qty : 1 (1935mm)	Qty : 2 (1935mm)	Qty : 2 (1935mm)	Qty : 2 (1935mm)
J	Amount cover Lock		Qty : 1 (750mm) Qty : 1 (1010mm)	Qty : 1 (750mm) Qty : 1 (1010mm)	Qty : 1 (750mm) Qty : 1 (1010mm)	Qty : 1 (750mm) Qty : 1 (1010mm)
K	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
	6.3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16
L	Spacer cover		Qty : 14 (45mm)	Qty : 28 (45mm)	Qty : 28 (45mm)	Qty : 28 (45mm)

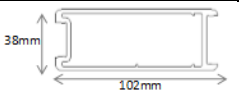
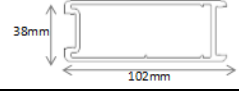
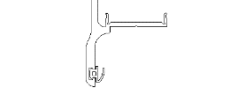
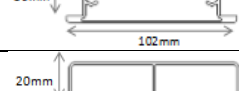
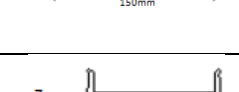
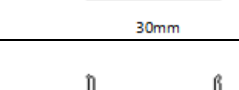
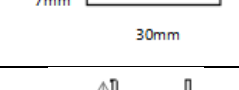
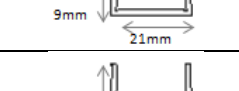
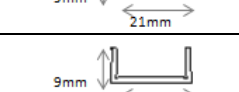
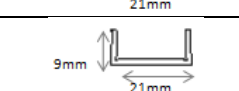
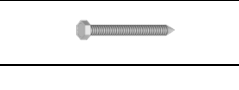
SEMI-OPENWORK gate & Parts list

Layout of the profiles: Assembly for a RIGHT push



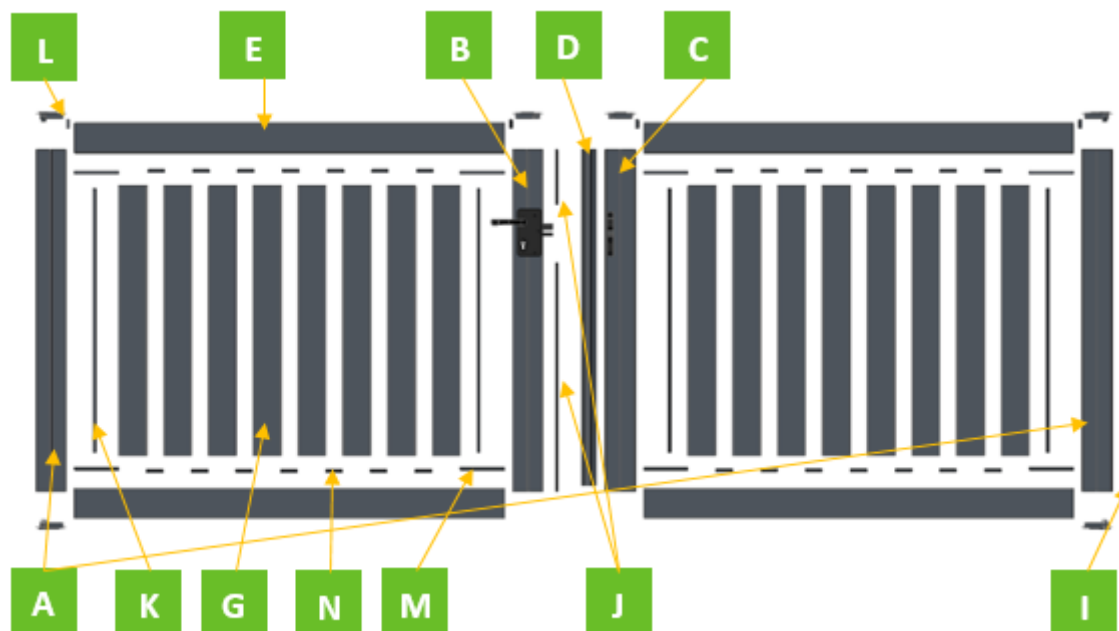
Layout of the profiles: Assembly for a LEFT push



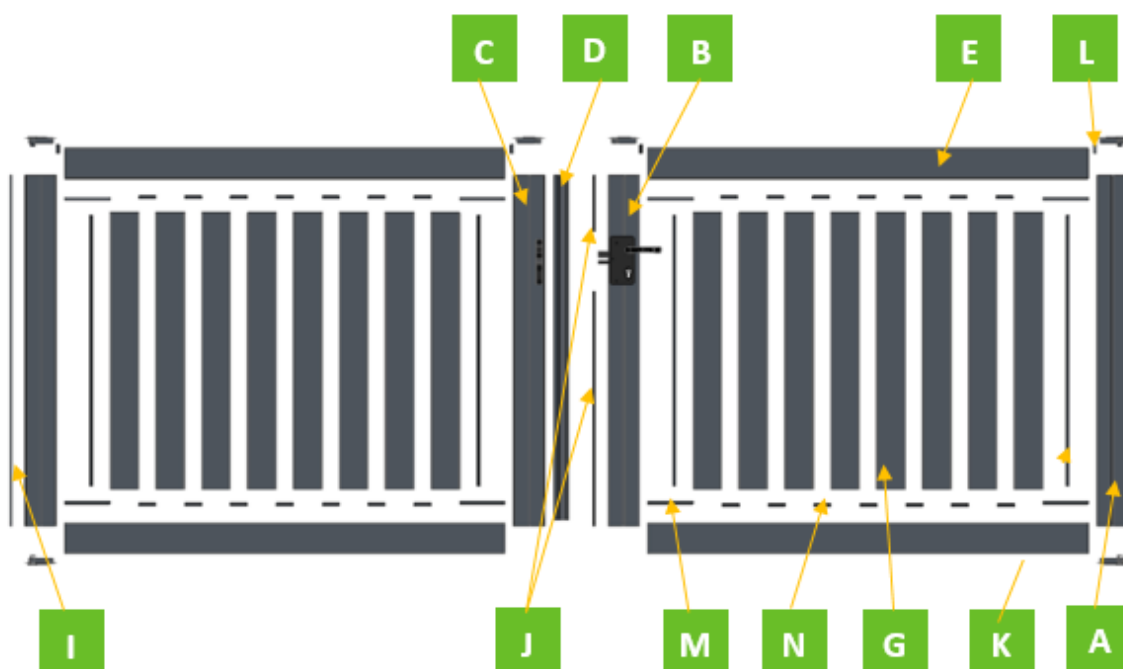
NOMENCLATURE			MODELE SEMI-AJOURÉ			
REF	PROFILES	(sectional view)	W 1000 x H 1300	W 3000 x H 1300	W 3500 x H 1300	W 4000 x H 1300
A	End amount		Qty : 1 (1255mm)	Qty : 2 (1255mm)	Qty : 2 (1255mm)	Qty : 2 (1255mm)
B	Lock amount		Qty : 1 (1255mm)	Qty : 1 (1255mm)	Qty : 1 (1255mm)	Qty : 1 (1255mm)
C	Strike amount			Qty : 1 (1255mm)	Qty : 1 (1255mm)	Qty : 1 (1255mm)
D	Beat			Qty : 1 (1235mm)	Qty : 1 (1235mm)	Qty : 1 (1235mm)
E	Crossing simple		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
F	Crossing double		Qty : 1 (940mm)	Qty : 2 (1450mm)	Qty : 2 (1700mm)	Qty : 2 (1950mm)
G	Bars		Qty : 5 (613mm)	Qty : 16 (613mm)	Qty : 20 (613mm)	Qty : 24 (613mm)
H	Filling panel		Qty : 2 (774mm)	Qty : 4 (1284mm)	Qty : 4 (1534mm)	Qty : 4 (1786mm)
I	Amount cover		Qty : 1 (1255mm)	Qty : 2 (1255mm)	Qty : 2 (1255mm)	Qty : 2 (1255mm)
J	Amount cover Lock		Qty : 1 (165mm) Qty : 1 (915mm)	Qty : 1 (165mm) Qty : 1 (915mm)	Qty : 1 (165mm) Qty : 1 (915mm)	Qty : 1 (165mm) Qty : 1 (915mm)
K	Amount cover Lock		Qty : 2 (592mm)	Qty : 4 (592mm)	Qty : 4 (592mm)	Qty : 4 (592mm)
L	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
M	End cover		Qty : 4 (138,5mm)	Qty : 8 (149mm)	Qty : 8 (145,5mm)	Qty : 8 (141mm)
N	Spacer cover		Qty : 8 (47mm)	Qty : 28 (56mm)	Qty : 36 (51mm)	Qty : 44 (48mm)
	6.3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16

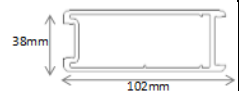
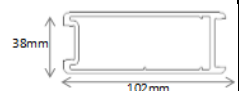
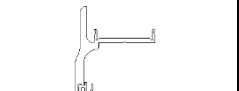
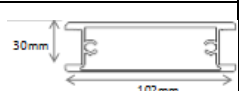
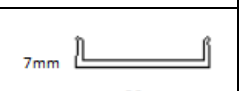
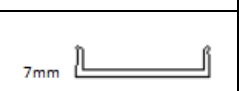
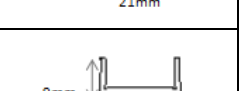
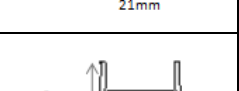
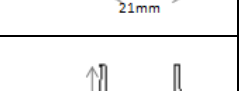
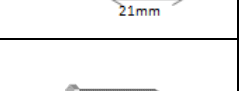
OPENWORK gate & parts list

Layout of the profiles: Assembly for a RIGHT push



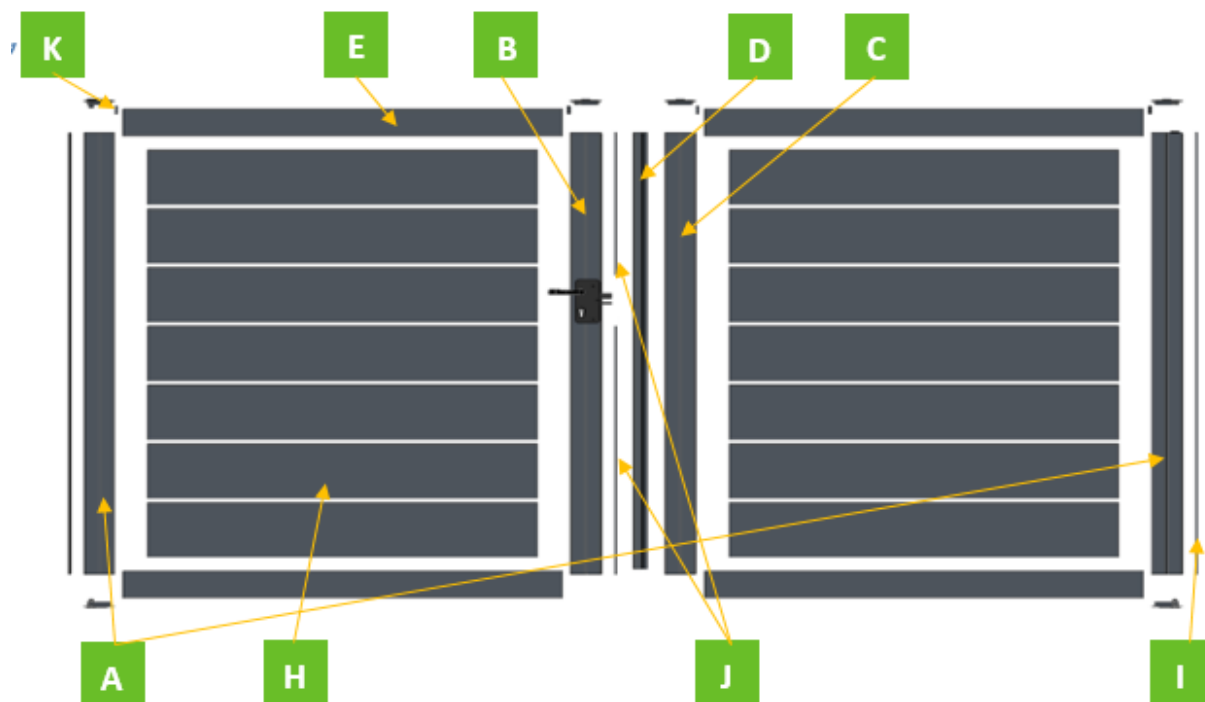
Layout of the profiles: Assembly for a LEFT push



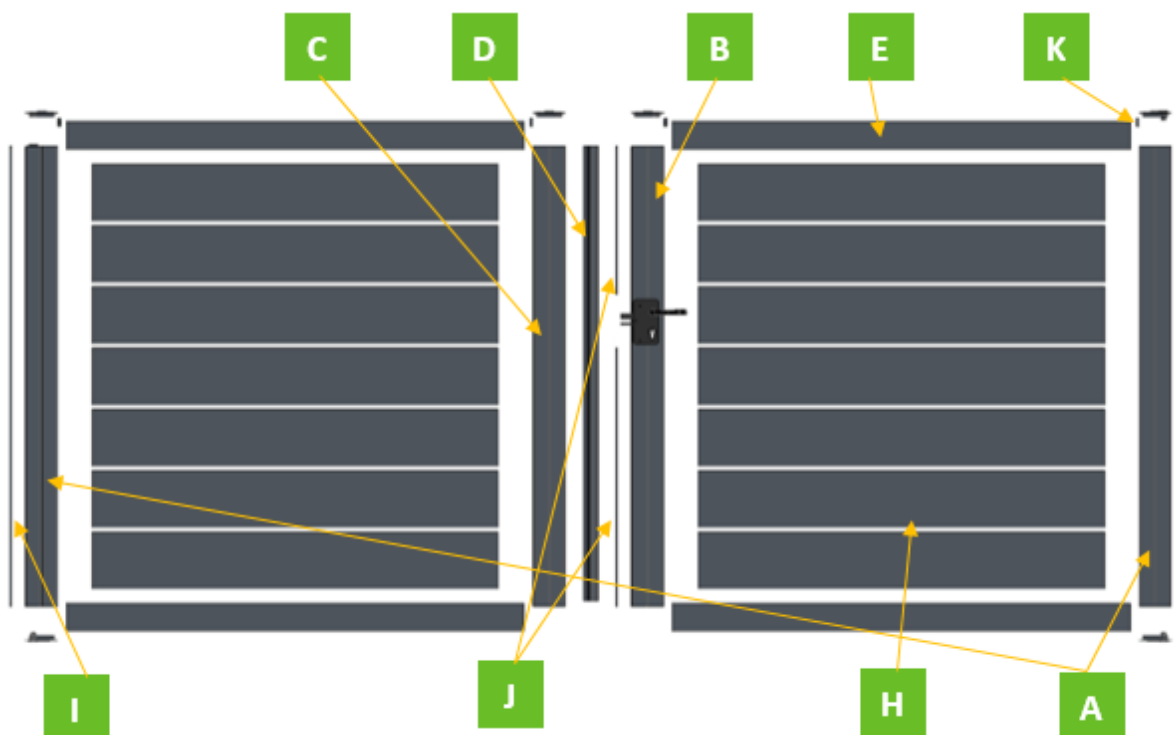
NOMENCLATURE			MODELE AJOURÉ			
REF	PROFILES	(sectional view)	W 1000 x H 1200	W 3000 x H 1200	W 3500 x H 1200	W 4000 x H 1200
A	End amount		Qty : 1 (1155mm)	Qty : 2 (1155mm)	Qty : 2 (1155mm)	Qty : 2 (1155mm)
B	Lock amount		Qty : 1 (1155mm)	Qty : 1 (1155mm)	Qty : 1 (1155mm)	Qty : 1 (1155mm)
C	Strike amount			Qty : 1 (1155mm)	Qty : 1 (1155mm)	Qty : 1 (1155mm)
D	Beat			Qty : 1 (1135mm)	Qty : 1 (1135mm)	Qty : 1 (1135mm)
E	Crossing simple		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
G	Bars		Qty : 5 (911mm)	Qty : 16 (911mm)	Qty : 20 (911mm)	Qty : (911mm)
I	Amount cover		Qty : 1 (1155mm)	Qty : 2 (1155mm)	Qty : 2 (1155mm)	Qty : 2 (1155mm)
J	Amount cover Lock		Qty : 1 (165mm) Qty : 1 (815mm)	Qty : 1 (165mm) Qty : 1 (815mm)	Qty : 1 (165mm) Qty : 1 (815mm)	Qty : 1 (165mm) Qty : 1 (815mm)
K	Amount cover Lock		Qty : 2 (890mm)	Qty : 4 (890mm)	Qty : 4 (890mm)	Qty : 4 (890mm)
L	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
M	End cover		Qty : 4 (138,5mm)	Qty : 8 (149mm)	Qty : 8 (145,5mm)	Qty : 8 (141mm)
N	Spacer cover		Qty : 8 (47mm)	Qty : 28 (56mm)	Qty : 36 (51mm)	Qty : 44 (48mm)
	6.3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16

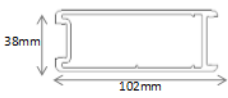
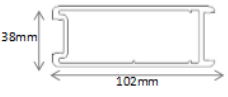
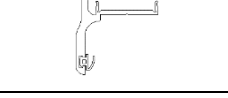
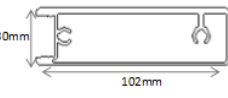
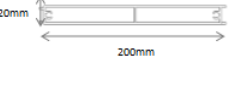
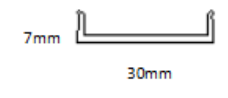
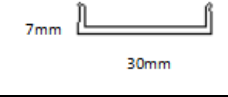
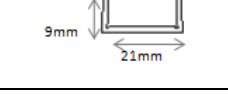
PRIVATE gate & parts list

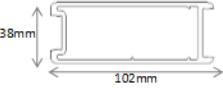
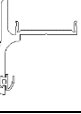
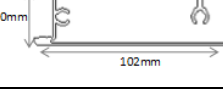
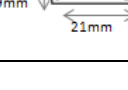
Layout of the profiles: Assembly for a RIGHT push



Layout of the profiles: Assembly for a LEFT push

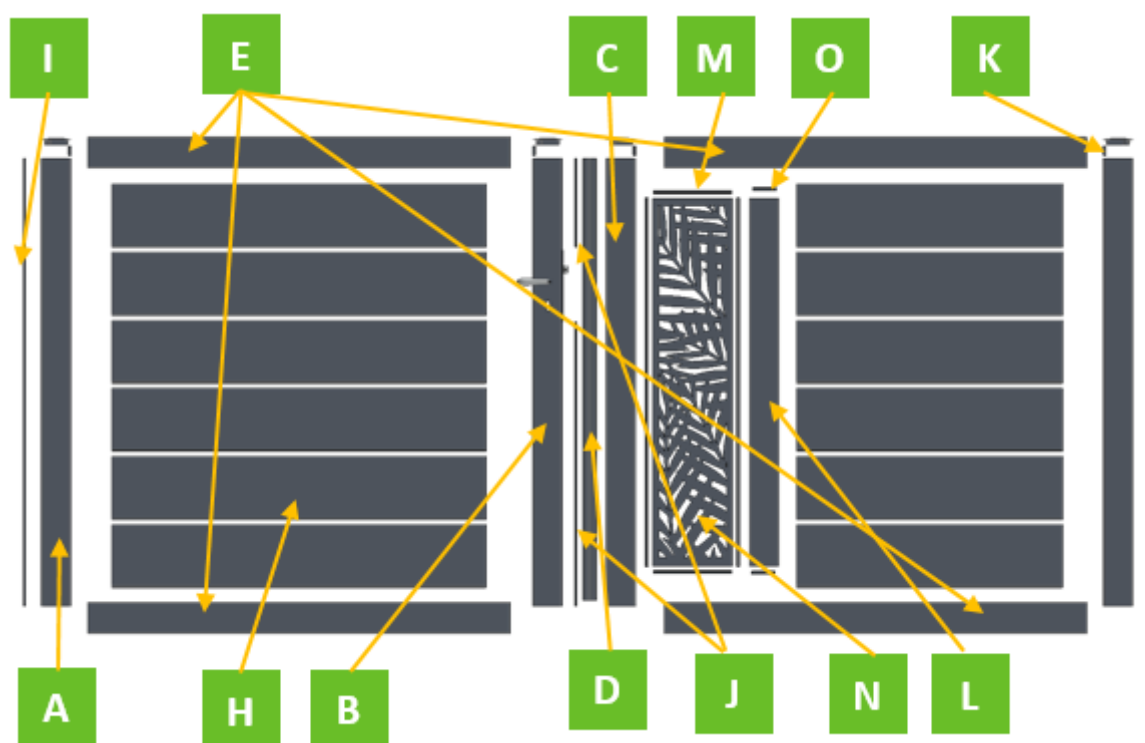


NOMENCLATURE			FULL MODEL							
REF	PROFILES	(sectional view)	W 1000 x H 1500	W 3000 x H 1500	W 3500 x H 1500	W4000 x H 1500	W 1000 x H 1700	W 3000 x H 1700	W 3500 x H 1700	W 4000 x H 1700
A	End amount		Qty : 1 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)	Qty : 1 (1651mm)	Qty : 2 (1651mm)	Qty : 2 (1651mm)	Qty : 2 (1651mm)
B	Lock amount		Qty : 1 (1451mm)	Qty : 1 (1451mm)	Qty : 1 (1451mm)	Qty : 1 (1451mm)	Qty : 1 (1651mm)	Qty : 1 (1651mm)	Qty : 1 (1651mm)	Qty : 1 (1651mm)
C	Strike amount			Qty : 1 (1451mm)	Qty : 1 (1451mm)	Qty : 1 (1451mm)		Qty : 1 (1651mm)	Qty : 1 (1651mm)	Qty : 1 (1651mm)
D	Beat			Qty : 1 (1431mm)	Qty : 1 (1431mm)	Qty : 1 (1431mm)		Qty : 1 (1631mm)	Qty : 1 (1651mm)	Qty : 1 (1651mm)
E	Crossing simple		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)	Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
H	Filler panel		Qty : 6 (776mm)	Qty : 12 (1286mm)	Qty : 12 (1536mm)	Qty : 12 (1786mm)	Qty : 7 (776mm)	Qty : 14 (1286mm)	Qty : 14 (1536mm)	Qty : 14 (1786mm)
I	Amount cover		Qty : 1 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)	Qty : 1 (1651mm)	Qty : 2 (1651mm)	Qty : 2 (1651mm)	Qty : 2 (1651mm)
J	Amount cover Lock		Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (460mm) Qty : 1 (1015mm)	Qty : 1 (460mm) Qty : 1 (1015mm)	Qty : 1 (460mm) Qty : 1 (1015mm)	Qty : 1 (460mm) Qty : 1 (1015mm)
K	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
	6.3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16	Qty : 8	Qty : 16	Qty : 16	Qty : 16

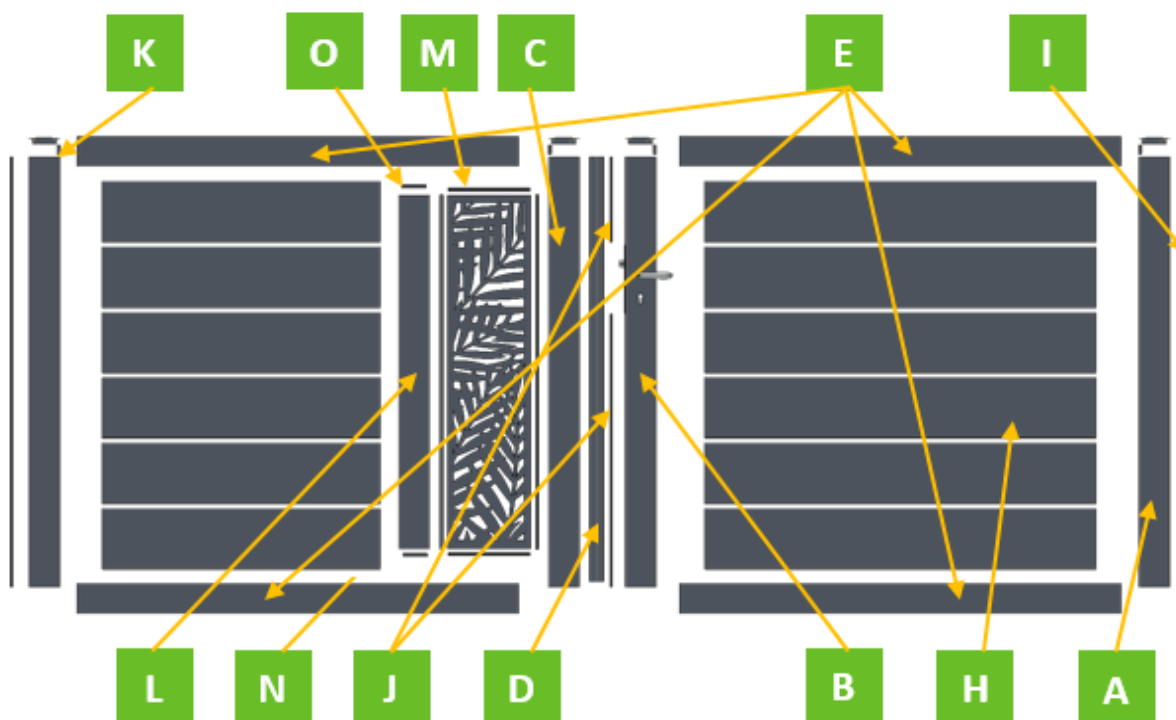
NOMENCLATURE			FULL MODEL			
REF	PROFILES	(sectional view)	W 1000 x H 1900	W 3000 x H 1900	W 3500 x H 1900	W 4000 x H 1900
A	End amount		Qty : 1 (1850mm)	Qty : 2 (1851mm)	Qty : 2 (1851mm)	Qty : 2 (1851mm)
B	Lock amount		Qty : 1 (1850mm)	Qty : 1 (1851mm)	Qty : 1 (1851mm)	Qty : 1 (1851mm)
C	Strike amount			Qty : 1 (1851mm)	Qty : 1 (1851mm)	Qty : 1 (1851mm)
D	Beat			Qty : 1 (1831mm)	Qty : 1 (1831mm)	Qty : 1 (1831mm)
E	Crossing simple		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
H	Filler panel		Qty : 8 (776mm)	Qty : 16 (1286mm)	Qty : 16 (1536mm)	Qty : 16 (1786mm)
I	Amount cover		Qty : 1 (1850mm)	Qty : 2 (1851mm)	Qty : 2 (1851mm)	Qty : 2 (1851mm)
J	Amount cover Lock		Qty : 1 (660mm) Qty : 1 (1015mm)	Qty : 1 (660mm) Qty : 1 (1015mm)	Qty : 1 (660mm) Qty : 1 (1015mm)	Qty : 1 (560mm) Qty : 1 (1115mm)
K	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
	6,3 x 60 hexagonal head screw		Qty : 8	Qty : 16	Qty : 16	Qty : 16

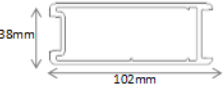
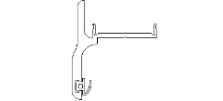
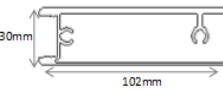
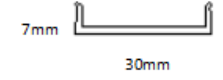
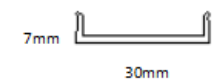
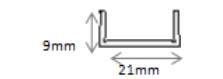
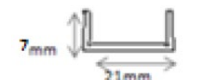
LASER-CUT gate & Parts list

Layout of the profiles: Assembly for a RIGHT push



Layout of the profiles: Assembly for a LEFT push



NOMENCLATURE			LASER CUT MODEL			
REF	PROFILES	(sectional view)	L 1000 x H 1500	L 3000 x H 1500	L 3500 x H 1500	L 4000 x H 1500
A	End amount		Qty : 1 (1450mm)	Qty : 2 (1450mm)	Qty : 2 (1450mm)	Qty : 2 (1450mm)
B	Lock amount		Qty : 1 (1450mm)	Qty : 1 (1450mm)	Qty : 1 (1450mm)	Qty : 1 (1450mm)
C	Strike amount			Qty : 1 (1450mm)	Qty : 1 (1450mm)	Qty : 1 (1450mm)
D	Beat			Qty : 1 (1431mm)	Qty : 1 (1431mm)	Qty : 1 (1431mm)
E	Crossing simple		Qty : 2 (940mm)	Qty : 4 (1450mm)	Qty : 4 (1700mm)	Qty : 4 (1950mm)
H	Filler panel		Qty : 6 (404mm)	Qty : 6 (1286mm) Qty : 6 (914mm)	Qty : 6 (1536mm) Qty : 6 (1164mm)	Qty : 6 (1786mm) Qty : 6 (1414mm)
I	Amount cover		Qty : 1 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)	Qty : 2 (1451mm)
J	Amount cover Lock		Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)	Qty : 1 (360mm) Qty : 1 (915mm)
K	Finishing hood		Qty : 2 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)	Qty : 4 (28mm)
L	Mullion		Qty : 1 (1186mm)	Qty : 1 (1186mm)	Qty : 1 (1186mm)	Qty : 1 (1186mm)
M	Sheet metal hood		Qty : 2 (1194mm) Qty : 2 (270mm)	Qty : 2 (1194mm) Qty : 2 (270mm)	Qty : 2 (1194mm) Qty : 2 (270mm)	Qty : 2 (1194mm) Qty : 2 (270mm)
N	Patterned sheet metal		Qty : 1 (274 x 1194mm)	Qty : 1 (274 x 1194mm)	Qty : 1 (274 x 1194mm)	Qty : 1 (274 x 1194mm)
O	Mullion assembly hood		Qty : 2 (82mm)	Qty : 2 (82mm)	Qty : 2 (82mm)	Qty : 2 (82mm)
	6.3 x 60 hexagonal head screw		Qty : 12	Qty : 20	Qty : 20	Qty : 20

START YOUR INSTALLATION – 1st Leaf or Side Gate

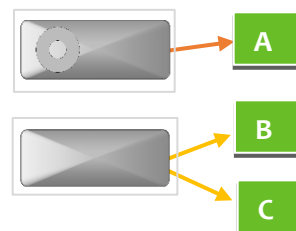
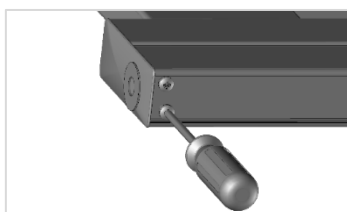
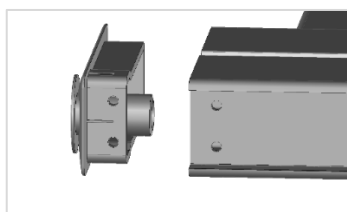
Assembly of the first leaf (lock side) according to the chosen opening direction (see diagrams)

Follow the installation and assembly steps

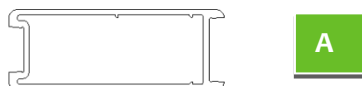
1. Open the box and identify the various components.
2. Set up on a clean, uncluttered floor, protected by thick cardboard.



3. Prepare the 4 uprights for a gate (**AABC**) and 2 for a side gate (**AB**).
4. Fit the drilled caps onto the ends of the uprights **A**, re-drill if necessary with the drill bit and attach with 3 x 4.8 x 22 screws.
5. Repeat the operation with the non-drilled caps, **at the top only**, of the lock uprights **B** and strike plate **C** (it is very important that any water that enters the product or condenses on it can drain out easily).



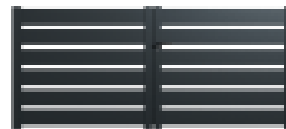
6. Position the first end upright **A** (102 x 38 mm) on the ground.



7. Unpack the crossbars **E** (and **F** for the SEMI-OPENWORK model) using a utility knife, taking care not to scratch the visible parts of the aluminium profile.



SAH MODEL	OPENWORK / PRIVATE / LASER CUT MODEL	SEMI-OPENWORK MODEL
 	 	  
Installation page 15	- Installation - Openwork page 21 - Installation - Private & Laser cut page 24	Installation page 17



SAH model

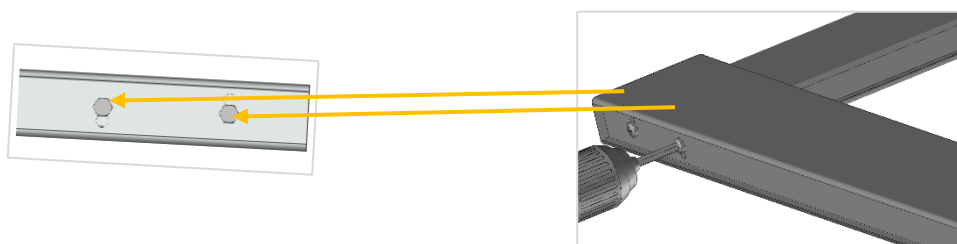
8. Position the crossbars **E** opposite the top and bottom mortises (holes).



Fit each crossbar into the mortises (holes), lifting the end of the profile slightly to facilitate the operation. The crossbars must be slid into the upright as far as they will go.

Tip: if there is any resistance, lightly file the upright to make it easier to fit the crossbar.

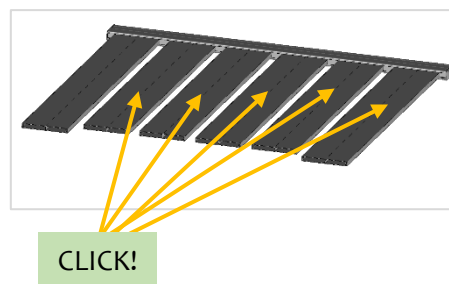
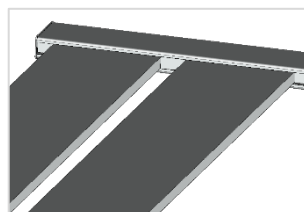
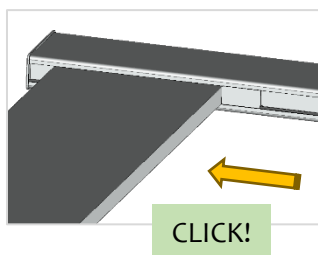
9. Screw on each crossbar **E** using screws (6.3 x 60) and a PH2 bit or a 10 mm socket wrench. The screw heads and crossbars must be flush against the upright. The two small holes must remain unobstructed: they are designed for the drainage of rainwater and condensation.

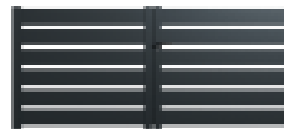


10. Carefully unpack the infill panels **H**. If you are using a utility knife, position the blade within the profile, on the non-visible side of the infill panel.

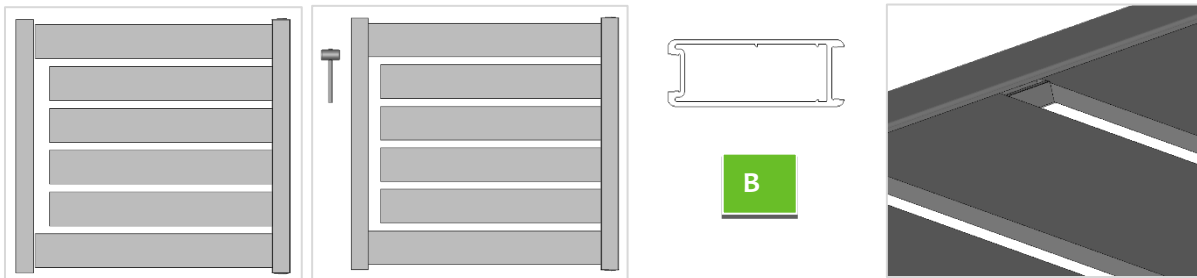


11. Assemble by alternating spacer covers **W** and infill panels **H**. The first cover must be against the crossbar and the others follow:





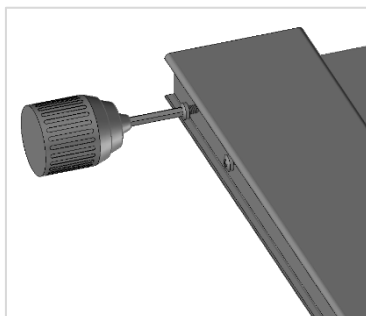
12. **DELICATE OPERATION!** Then position the lock upright **B**. Position and fit the upright. The use of a mallet is essential. This operation requires 2 people on either side of the upright.



If you have trouble assembling the panels and the lock upright: gently lift the assembled panel with one hand underneath to align it with the upright. Insert the section fully into the groove in the upright, then finish fitting the upright using a mallet.

Repeat this operation to fit the panel into the other upright if necessary.

13. Position the lock upright **B** against the crossbars **E** and screw it in place: 2 screws (6.3 x 60) per crossbar. The screw heads and crossbars must flush against the upright. Check the top and bottom lengths of the leaf. If these lengths are different, check that each section is fully positioned against its stop.



The leaf on the lock side is now assembled, continue the assembly on page 28!

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Once both leaves are fitted, continue with assembly on page 31!

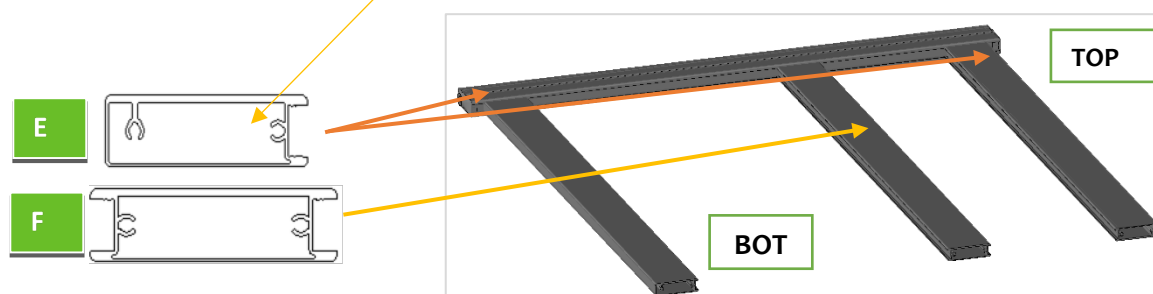


SEMI-OPENWORK model

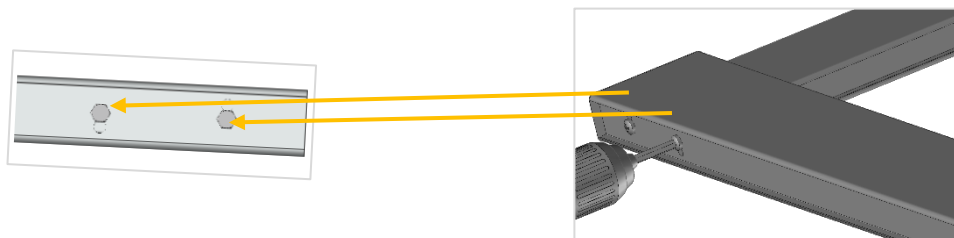
8. Position the single crossbars **E** (102 x 30 mm) opposite the top and bottom mortises (holes). The thickest wall of the crossbar must face upwards (**thickness** required for attaching motorisation brackets).

Position the double crossbar **F** into the central mortise. The thickest wall of the crossbar must face upwards (**thickness** required for automation of the gate).

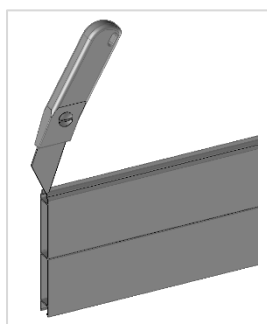
Fit each crossbar into the mortises (holes), lifting the end of the profile slightly to facilitate the operation. The crossbars must be slid into the upright as far as they will go.



9. Screw on each crossbar **E** using 2 screws (6.3 x 60) and a PH2 bit or a 10 mm socket wrench. The screw heads and crossbars must flush against the upright. The two small holes must remain unobstructed: they are designed for the drainage of rainwater and condensation.

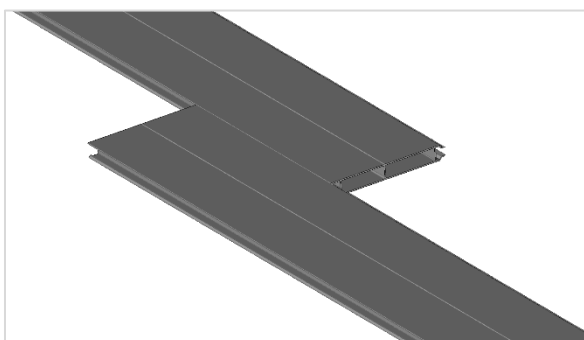


10. Carefully unpack the infill panels **H**. If you are using a utility knife, position the blade within the profile, on the non-visible side of the infill panel.

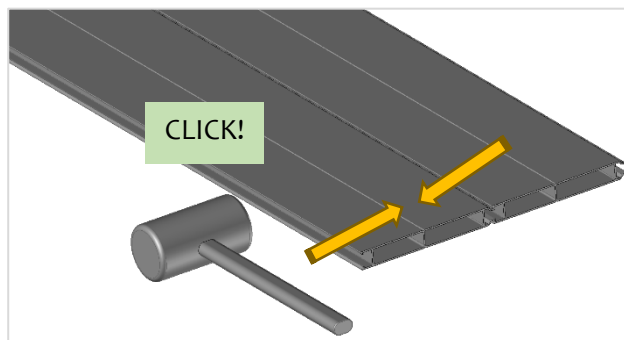




- Assemble them by sliding the male part into the female part. If this operation is delicate, use a plastic mallet to clip the profiles. The infill panel **H** must be knocked onto the female part to avoid damaging the profile.

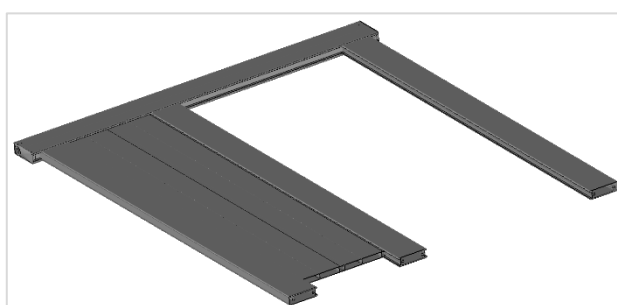
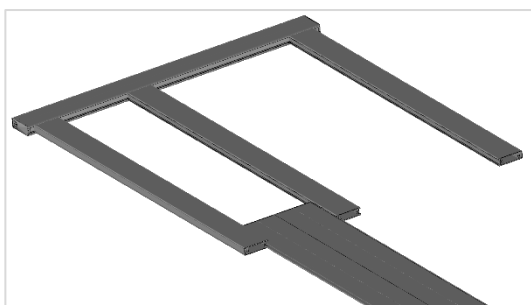


Sliding



Snap-fit assembly

- Slide the infill panels **H** between the two gravel board crossbars. They should fit tightly against the post.

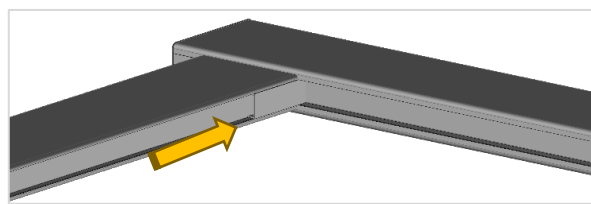
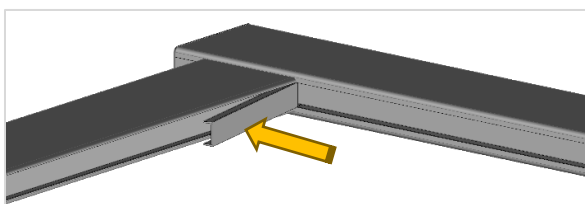


- Slide the 2 end covers **M** (21 x 9 mm) onto the crossbars at the top and bottom. Position them so that they fit tightly against the end upright **A**.

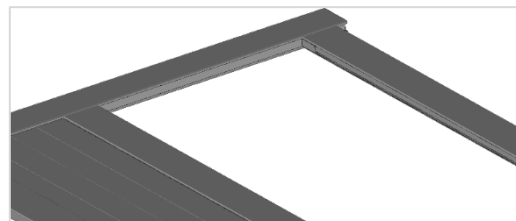
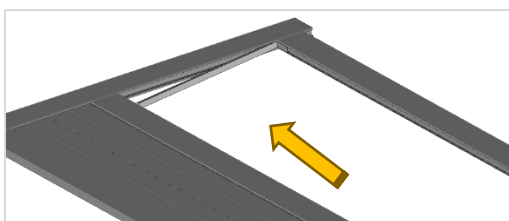
CLICK!

M

SLIDE

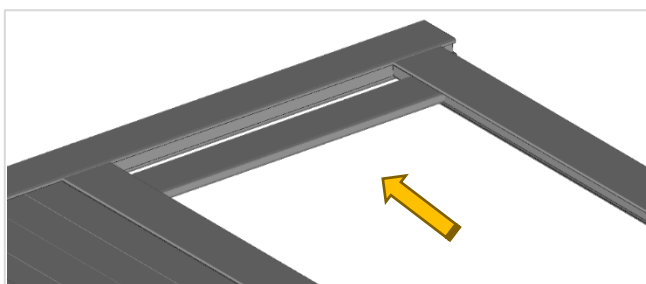
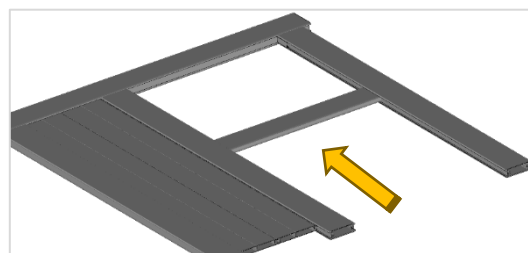


- Clip the upright cover **K** (21 x 9 mm) onto the end upright.

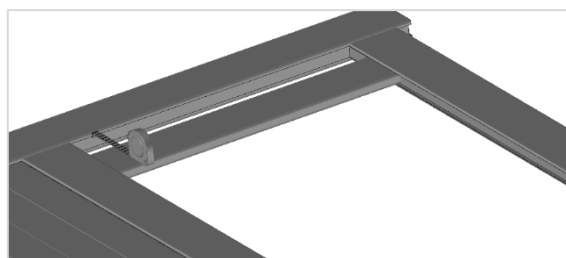
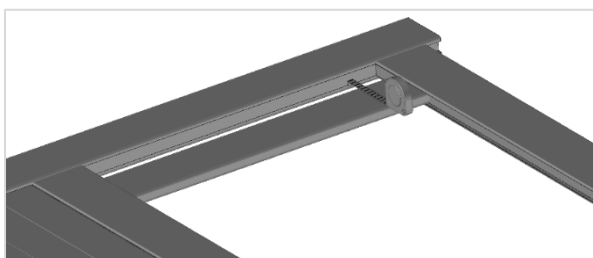




15. Unpack the bars **G** (95 x 20 mm) without using a utility knife. Slide a (95 x 20 mm) bar into the crossbars as far as the end caps.



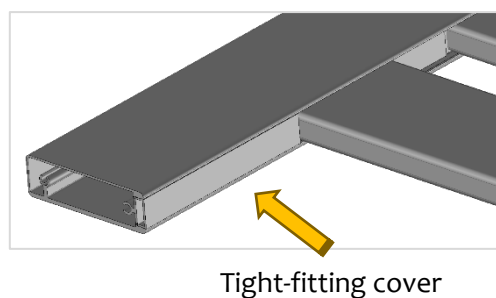
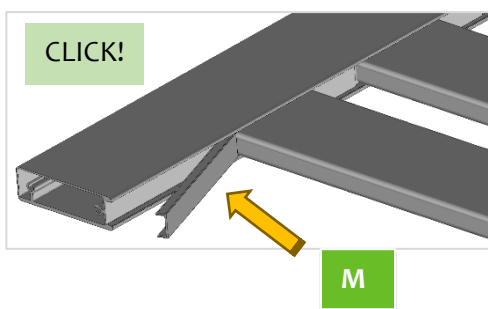
16. Check centre distances. If these lengths are different, check the stops on each section.



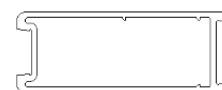
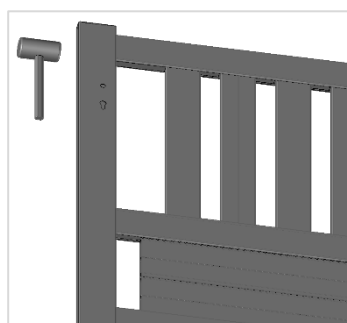
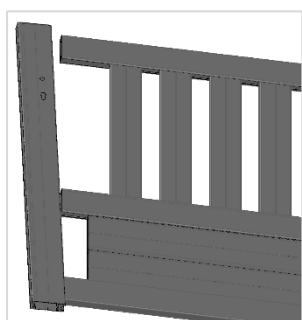
17. Then clip on the spacer covers **N** (21 x 9 mm) in each crossbar. Repeat the operation, alternating bars (95 x 20 mm) and spacer covers (21 x 9 mm).



18. Then clip on the end covers **M**. They must not extend beyond the crossbar. If they protrude, check that the end covers, bars (95 x 20 mm) and spacer cover (21 x 9 mm) fit tightly along the entire length of the crossbar.



19. **DELICATE OPERATION!** Then position the lock upright **B** (which has holes for the lock and cylinder). Position and fit the upright. The use of a mallet is essential. Start with the bottom crossbar and work your way up.

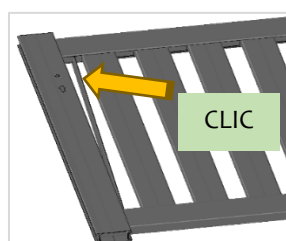


B

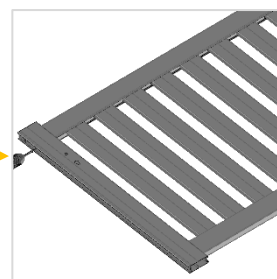
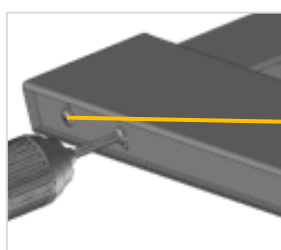
20. Clip on the upright cover **K** (21 x 9 mm).



K



21. Place the lock upright against the crossbars and screw in place: 2 screws (6.3 x 60) per crossbar. The screw heads and crossbars must flush against the upright. Check the top and bottom lengths of the leaf. If these lengths are different, check that each section is fully positioned against its stop.



The leaf on the lock side is now assembled, continue the assembly on page 28!

...

Once both leaves are fitted, continue with assembly on page 31!



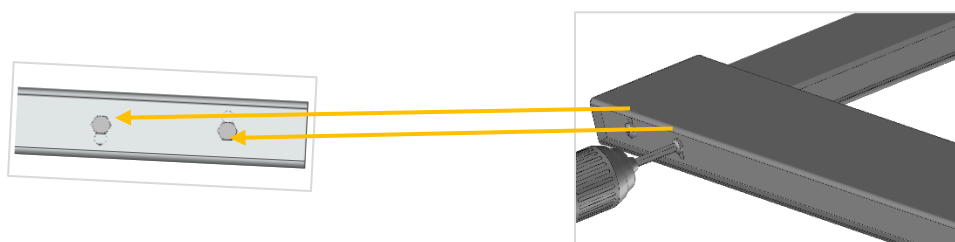
OPENWORK model

8. Position the single crossbars **E** (102 x 30 mm) opposite the top and bottom mortises (holes). The thickest wall of the crossbar must face upwards (**thickness** required for attaching motorisation brackets).

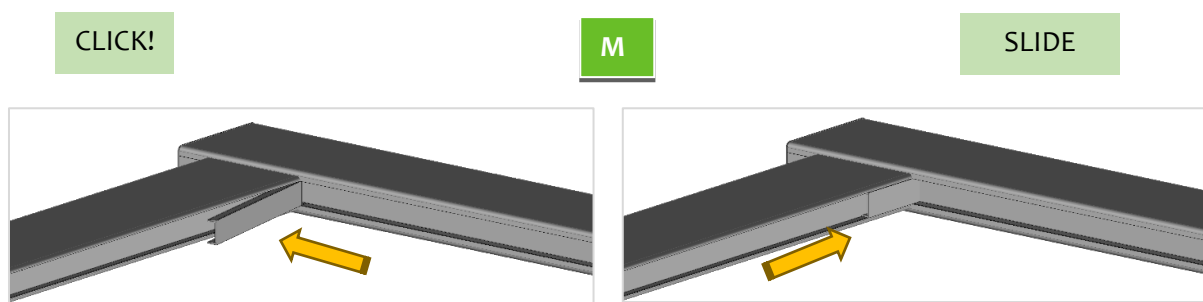


Fit each crossbar into the mortises (holes), lifting the end of the profile slightly to facilitate the operation. The crossbars must be slid into the upright as far as they will go.

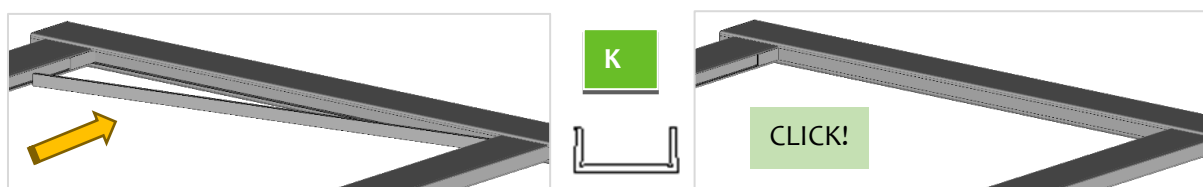
9. Screw on each crossbar using 2 screws (6.3 x 60) and a PH2 bit or a 10 mm socket wrench. The screw heads and crossbars must flush against the upright. The two small holes must remain unobstructed: they are designed for the drainage of rainwater and condensation.



10. Slide the 2 end covers **M** (21 x 9 mm) onto the crossbars **E** at the top and bottom. Position them so that they fit tightly against the end upright.

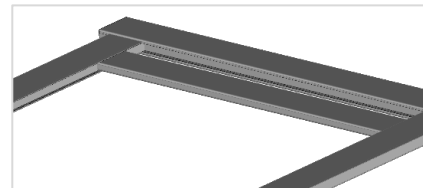
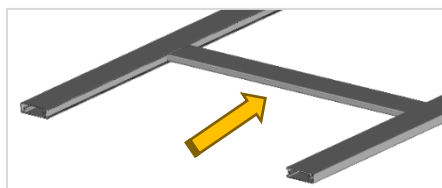
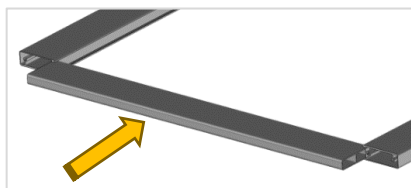


11. Clip the upright cover **K** (21 x 9 mm) onto the end upright.





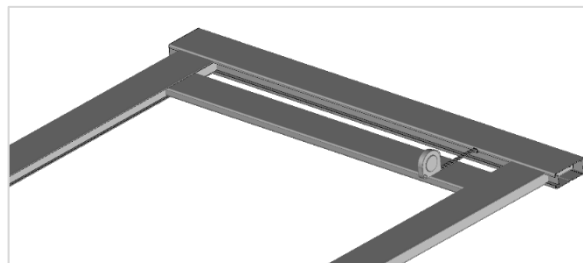
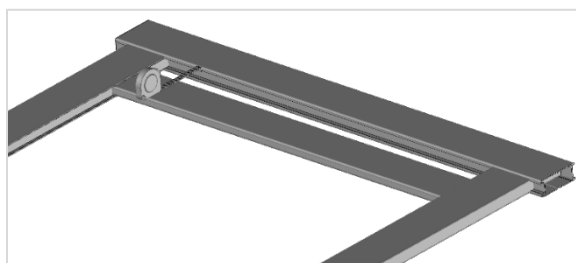
12. Unpack the bars **G** (95 x 20 mm) without using a utility knife. Slide a (95 x 20 mm) bar into the crossbars as far as the end caps **M**.



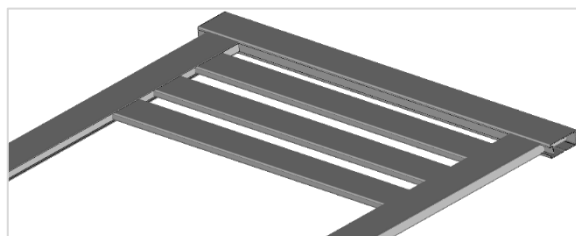
G



13. Check centre distances. If these lengths are different, check the stops on each section.



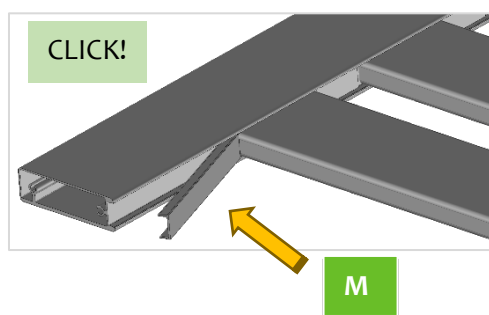
14. Then clip on the spacer covers **N** (21 x 9 mm) in each crossbar. Repeat the operation, alternating bars (95 x 20 mm) and spacer covers (21 x 9 mm).



N

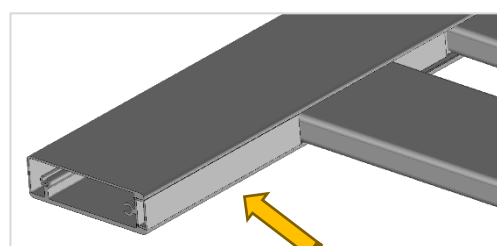


15. Then clip on the end covers **M**. They must not extend beyond the crossbar. If they protrude, check that the end covers, bars **G** (95 x 20 mm) and spacer covers **N** (21 x 9 mm) fit tightly along the entire length of the crossbar.



CLICK!

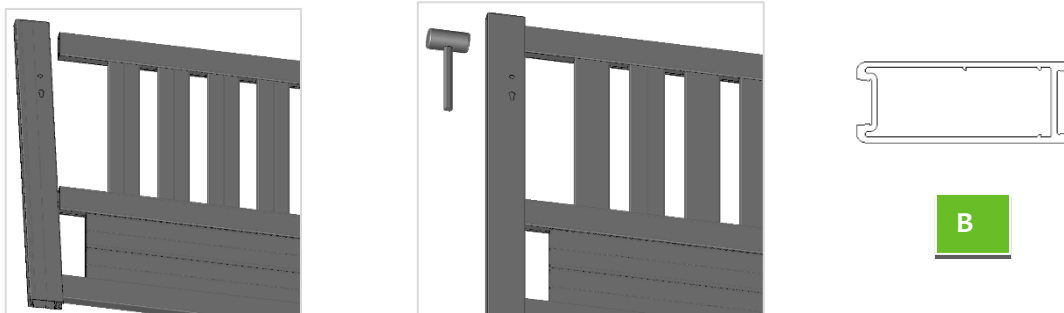
M



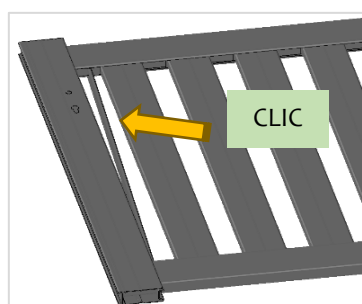
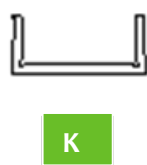
Tight-fitting cover



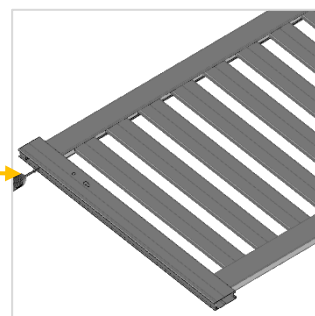
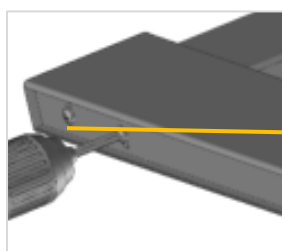
16. **DELICATE OPERATION!** Then position the lock upright **B** (which has holes for the lock and cylinder). Position and fit the upright. The use of a mallet is essential. Start with the bottom crossbar and work your way up.



17. Clip on the upright cover **K** (21 x 9 mm).



18. Place the lock upright **B** against the crossbars and screw in place: 2 screws (6.3 x 60) per crossbar. The screw heads and crossbars must flush against the upright. Check the top and bottom lengths of the leaf. If these lengths are different, check that each section is fully positioned against its stop.



The leaf on the lock side is now assembled, continue the assembly on page 28!

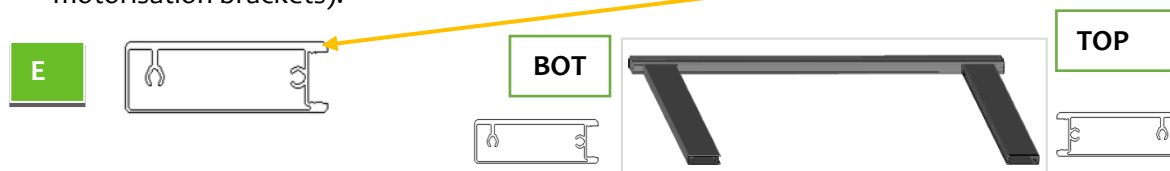
...

Once both leaves are fitted, continue with assembly on page 31!



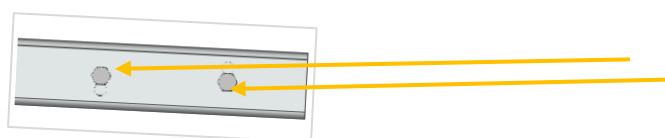
PRIVATE & LASER CUT model

8. Position the single crossbars **E** (102 x 30 mm) opposite the top and bottom mortises (holes). The thickest wall of the crossbar must face upwards (**thickness** required for attaching motorisation brackets).



Fit each crossbar into the mortises (holes), lifting the end of the profile slightly to facilitate the operation. The crossbars must be slid into the upright as far as they will go.

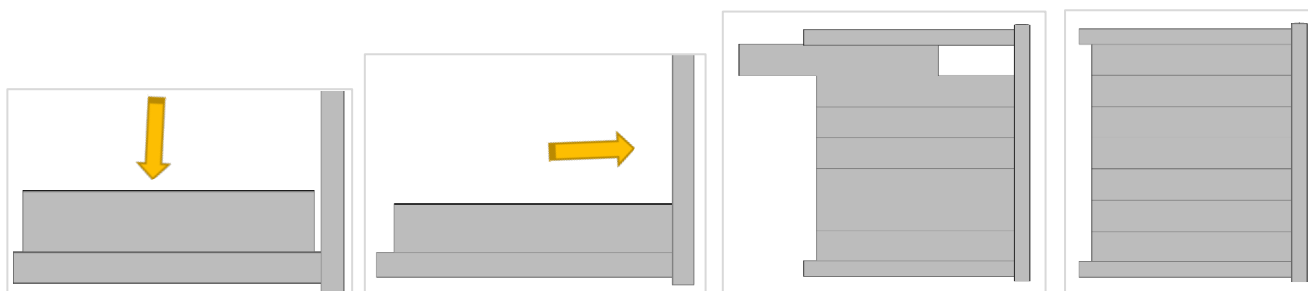
9. Screw on each crossbar **E** using 2 screws (6.3 x 60) and a PH2 bit or a 10 mm socket wrench. The screw heads and crossbars must flush against the upright. The two small holes must remain unobstructed: they are designed for the drainage of rainwater and condensation.



10. Carefully unpack the infill panels **H**. If you are using a utility knife, position the blade in the profile, on the non-visible side of the infill panel.

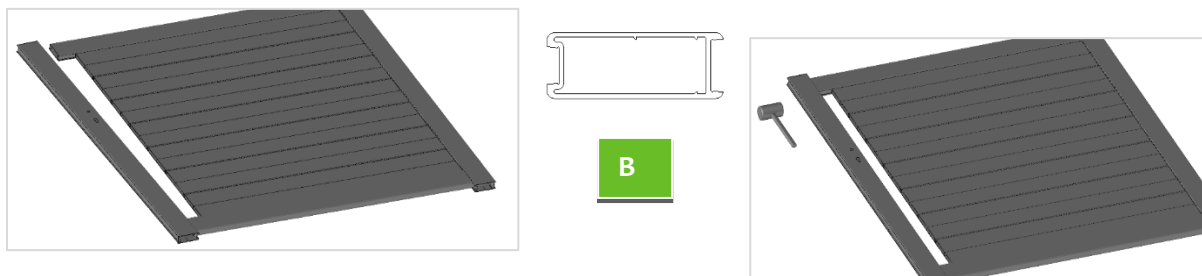


11. Slide the infill panels in by one along the upright. The first must fit tightly in the crossbar and the others follow.

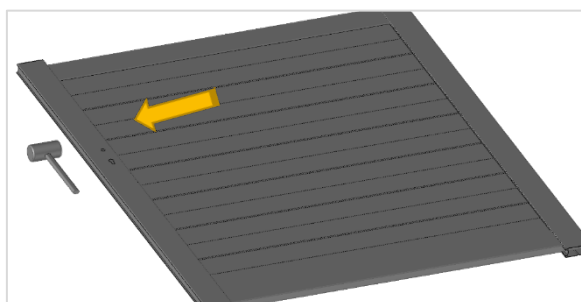




12. **DELICATE OPERATION!** Then position the lock upright **B** (which has holes for the lock and cylinder). Position and fit the upright. The use of a mallet is essential. This operation requires 2 people on either side of the lock upright.

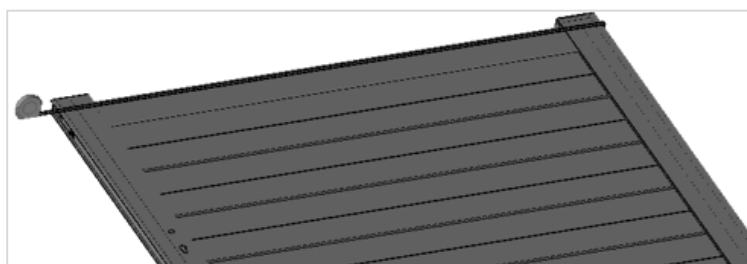
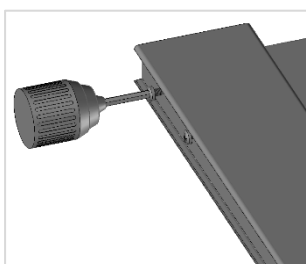


13. If you have trouble assembling the panels and the lock upright: gently lift the assembled panel with one hand underneath to align it with the upright. Insert the section fully into the groove in the upright, then finish fitting the upright using a mallet.



Repeat this operation to fit the panel into the other upright if necessary.

14. Position the lock upright **B** against the crossbars **E** and screw it in place: 2 screws (6.3 x 60) per crossbar. The screw heads and crossbars must flush against the upright. Check the top and bottom lengths of the leaf. If these lengths are different, check that each section is fully positioned against its stop.



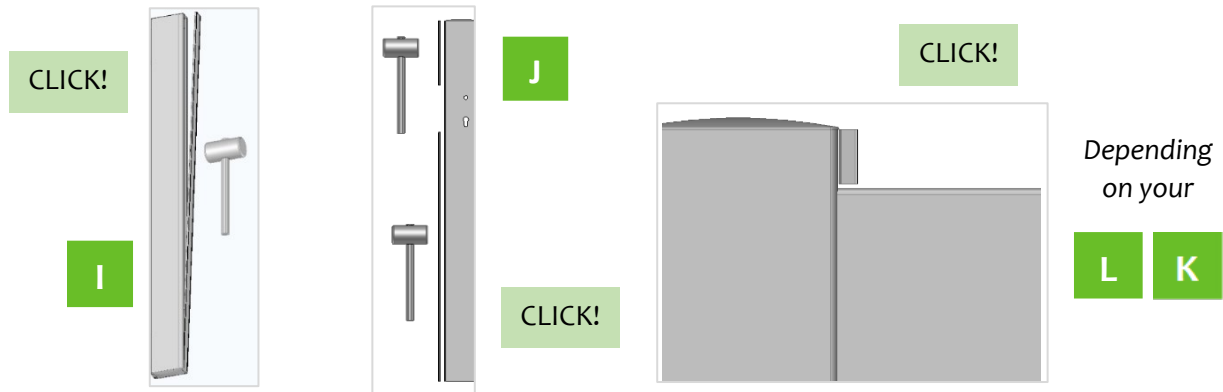
The leaf on the lock side is now assembled, continue the assembly on page 28!

...

Once both leaves are fitted, continue with assembly on page 31!

Installing the LOCK

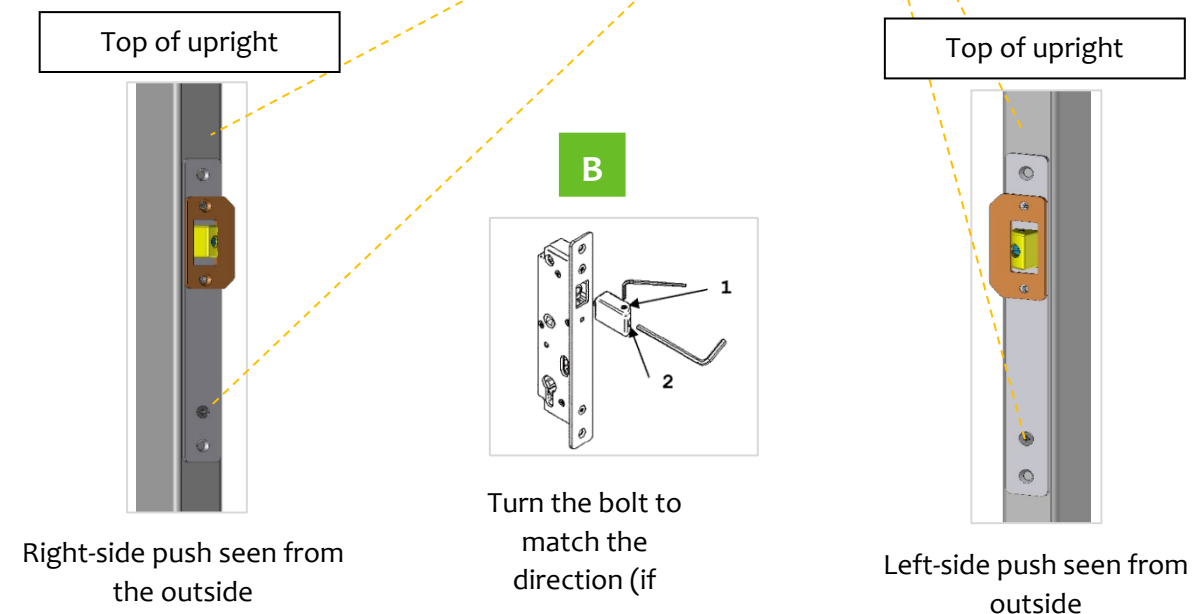
- Upright covers **I** and **J** (30 x 7 mm) and top caps **K** or **W** (21 x 9 mm) can be clipped on depending on your model.



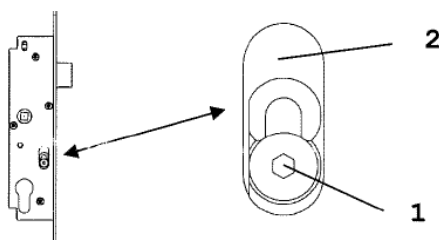
- Insert the lock into the upright and screw on the cylinder. **Pre-drill** with a 4 mm diameter drill bit, then secure with the 4.8 x 25 countersunk screws supplied. Finish by installing the handle.



For side gates, position the strike plate on the lock as follows: Use the M5 x 8 countersunk screw. Depending on the required opening direction, position it as follows:



For electric strikes



Using the hexagon key (supplied), loosen screw 1 by a few turns, move part 2 downwards and then re-tighten screw 1.

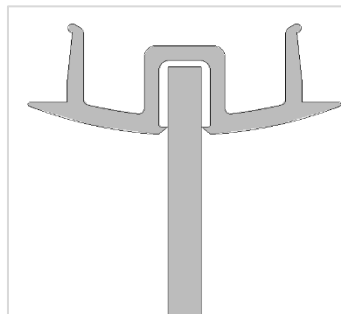
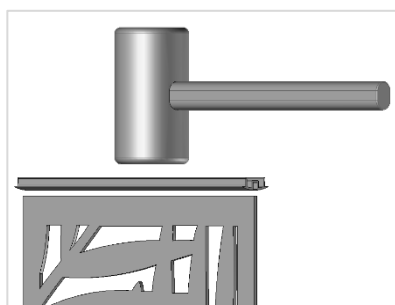


Installation of the 2nd leaf

SAH model	SEMI-OPENWORK model	OPENWORK model	PRIVATE model	LASER-CUT model
- Installation page 17/18	- Installation page 19/21	- Installation page 23/25	- Installation page 26/27	- Installation page 29
- Follow the steps 8 to 13	- Follow the steps 8 to 21	- Follow the steps 8 to 18	- Follow the steps 8 to 14	- Follow the steps 1 to 7

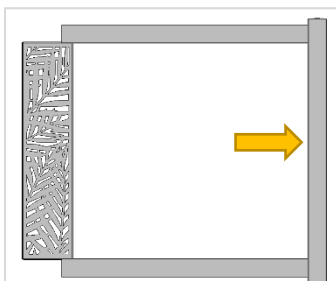
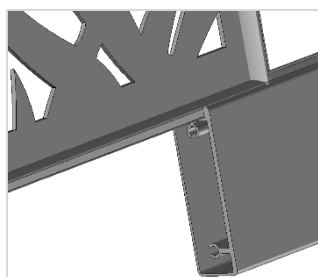
Installation of the 2nd leaf - LASER CUT

1. **Repeat assembly operations 6 to 9 as for the first leaf.**
2. Fit the 4 sheet metal covers **M** using the mallet. Start with short lengths.



M

3. Slide the sheet metal **N** between the crossbars in the grooves.



N

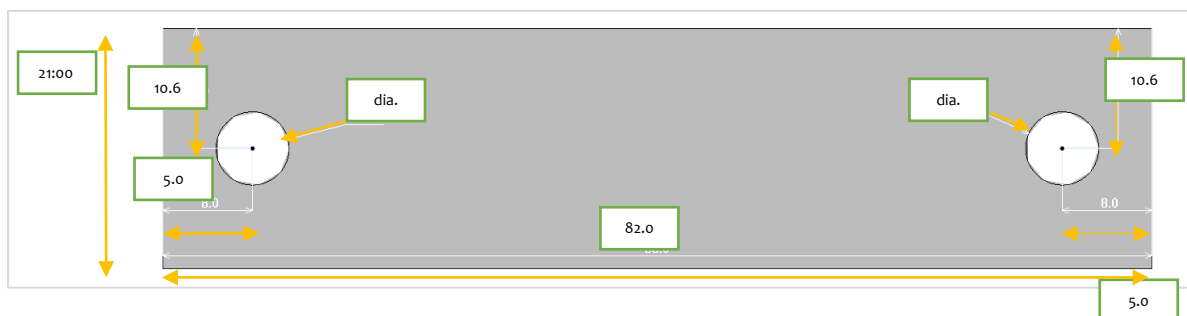


Using the mallet, press the sheet **N** into place: the sheet metal cover **M** should clip onto the upright.

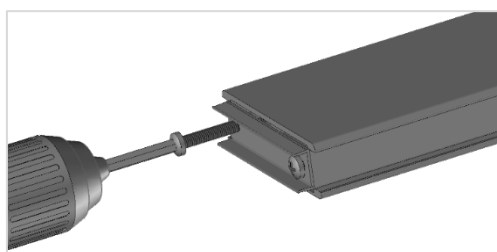


- Preparing the mullion **W**: Drill the two covers (21 x 9 mm) according to the drawing using a 6.5 mm drill bit.

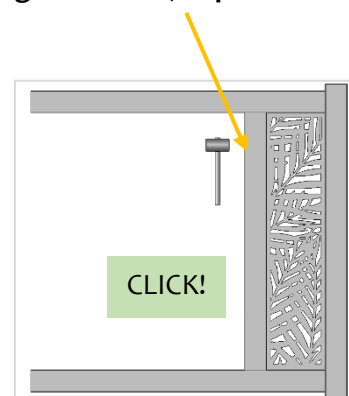
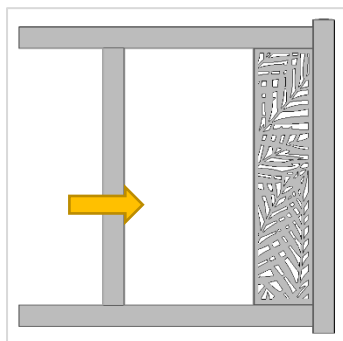
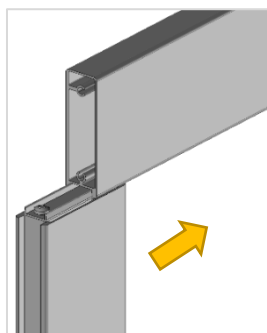
O



- Screw 1 cover **O** prepared during step 4 to each end of the mullion **W** using screws (6.3 x 60).



- Slide the mullion between the crossbars in the grooves. **Using the mallet, clip the sheet metal covers **M** into the mullion **L**.**



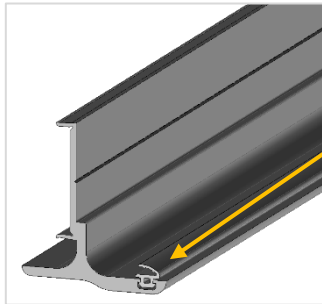
- Repeat installation operations 10 to 14.

...

Once both leaves are fitted, continue with assembly on page 31!

Installation of the swing gate (strike side)

1. Turn the leaf over and fit the seal into the swing gate groove.



D

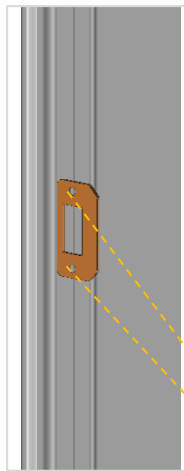
Fit the swing gate on the 102 x 38 mm
strike upright on gates only



Fit the strike plate (only for gates, for side gates the strike plate is fitted to the masonry)

2. Position the swing gate D into the strike upright C so that it clicks into place. Depending on the required opening direction, position it as follows:

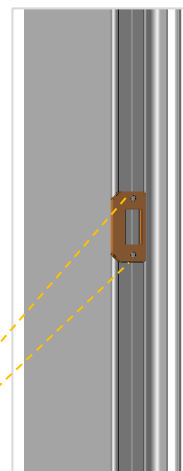
Top of upright



Right-side push seen from the

C

Top of upright



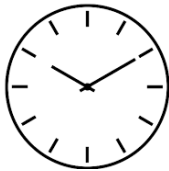
Left-side push seen from outside

3. Position the stainless steel strike and pre-drill with a 4 mm dia. bit using the 2 countersunk screws (4.8 x 25) supplied.

If the gate is motorised

In this case, press the bolt manually to keep it in the retracted position, then secure the lock with the key, keeping the bolt retracted. **This is MANDATORY.**

Installation instructions



Installation:



2 persons



Difficulty Beginner

Tools			
			
Hammer	Clamp	Percussion drill	Tape measure
			
Level	4 x 70 mm blocks	2 x 10 mm blocks	2 open-end spanners 17 mm

Bracket: We recommend purchasing anchor fittings and fastening screws (8 mm diameter) depending on the type of upright or support posts. Please note, depending on the nature of the support, you may need to use chemical anchoring with threaded rods (8 mm diameter).

Safety:

- Do not install the gate in winds exceeding 40 km/h.
- Do not use electrical equipment in the rain.
- The gate must be installed by 2 qualified adults.
- Wear safety goggles when drilling, chiselling, and handling concrete.
- Be cautious when using household cleaning products. Check the instructions to avoid damaging your gate during cleaning.

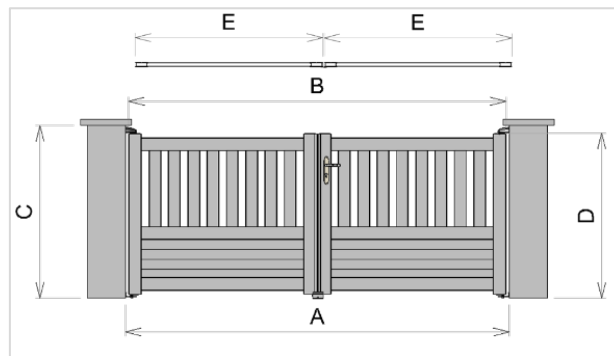
Gate kit installation accessories

		
Adjustable bottom hinge Quantity: 2	Adjustable top hinge with cover Quantity: 2	CentraWbearing block Quantity: 1

Side gate kit installation accessories

		
Adjustable bottom hinge Quantity: 1	Adjustable top hinge with cover Quantity: 1	Strike plate (fasteners not supplied) Quantity: 1

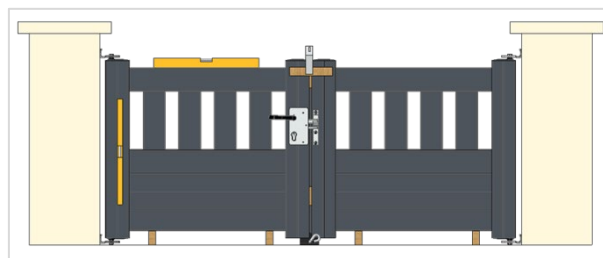
1. Check dimensions before installation:



* The hardware supplied tolerates a width between uprights **greater** than that shown in the table above. This value is 25 mm for a side gate and 50 mm for a gate.

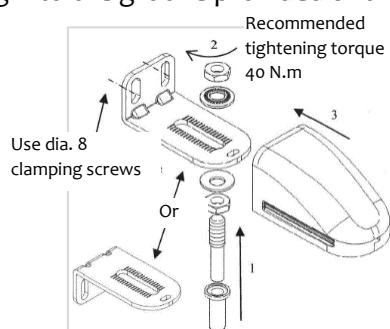
	Private model			Semi-openwork model			Openwork model		
A -Width between uprights without clearance*	1000	3000	3500	1000	3000	3500	1000	3000	3500
B -Width between uprights	960	2950	3450	960	2950	3450	960	2950	3450
C - Minimum clearance height under the cap	1600	1600	1600	1400	1400	1400	1300	1300	1300
D -Height from the ground to the top of the upright	1500	1500	1500	1300	1300	1300	1200	1200	1200
E -Width of the leaf between uprights	960	1470	1720	960	1470	1720	960	1470	1720

2. Position the sections as follows:



- Place the 10 mm blocks between the two leaves, and the 70 mm blocks under the crossbars.
- Hold the two leaves together with a clamp, taking care to use blocks to avoid damaging the product. Adjust so that the leaves are level, plumb and centred.
- Mark the drill holes for the top and bottom hinges.

3. Remove the leaves to drill at the marked locations. Drill the holes according to the diameter of the anchors.
4. Place the first hinge on the ground and place the leaf on the hinge pin. Fit the top hinge into the top pivot upright, level and attach the hinge to the upright. Repeat the operation for the second leaf.
5. To adjust the leaves, loosen the mobile axis using two 17 mm open-end spanners and adjust the top of the centre uprights. For a gate, use the level.
6. Slide the hinge housing into the groove provided until it touches the upright.



7. Fitting the central bearing block: align both leaves so that the assembly is straight (see dotted lines in the image below), mark and secure the bearing block. Adapt the mounting based on the type of your threshold.



Maintenance

Simply wash with water and mild soap, rinse with clear water and dry with a soft, absorbent cloth. Repeat every 3 months.



LE PORTAIL ALUMINIUM CONTEMPORAIN EN KIT

PACKIT



YOUTUBE



FACEBOOK



INSTAGRAM



PINTEREST

