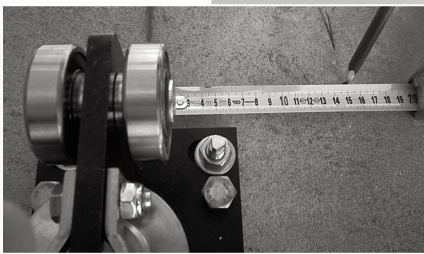


Installation instructions

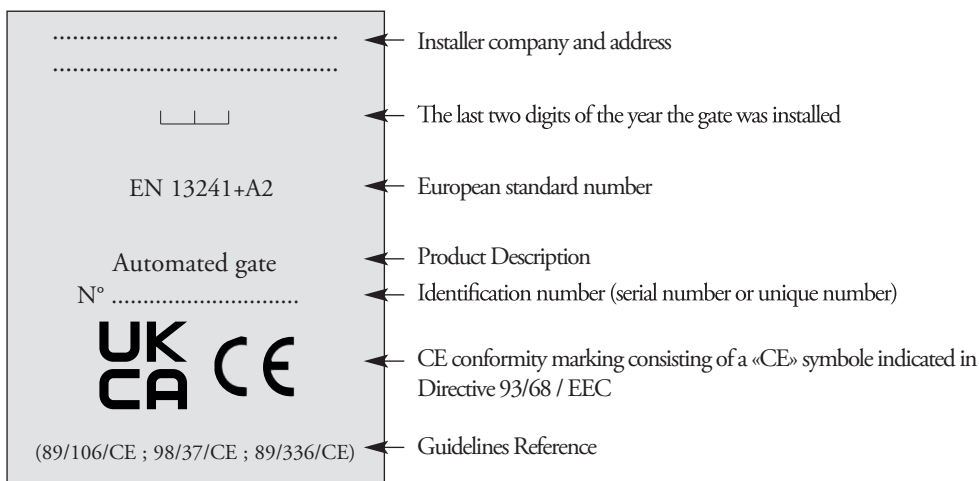
CANTILEVER SLIDING GATE



A	<i>Installation instructions</i>	<i>p. 2</i>
B	<i>Tools & Equipment</i>	<i>p. 2</i>
C	<i>Parts guide</i>	<i>p. 3</i>
D	<i>Foundation details</i>	<i>p. 4</i>
E	<i>Gate installation</i>	<i>p. 8</i>
●	<i>Optional automation</i>	<i>p. 12</i>
●	<i>Final checks</i>	<i>p. 12</i>

A *Installation instructions*

The gate must be installed in accordance with the installation instructions provided by HORIZAL in this installation guide. Only a professional installer is authorized to install this gate, as well as to undertake maintenance, repair and disassembly operations. In the case of automation not supplied by HORIZAL, the installer must ensure that the chosen motor (CE) conforms to the characteristics of the gate installed and that its installation does comply with standard NF EN 13241-A2 and UKCA standards. Next to the HORIZAL label, it will affix a second conformity label according to the model presented here.



B *Tools & Equipment*

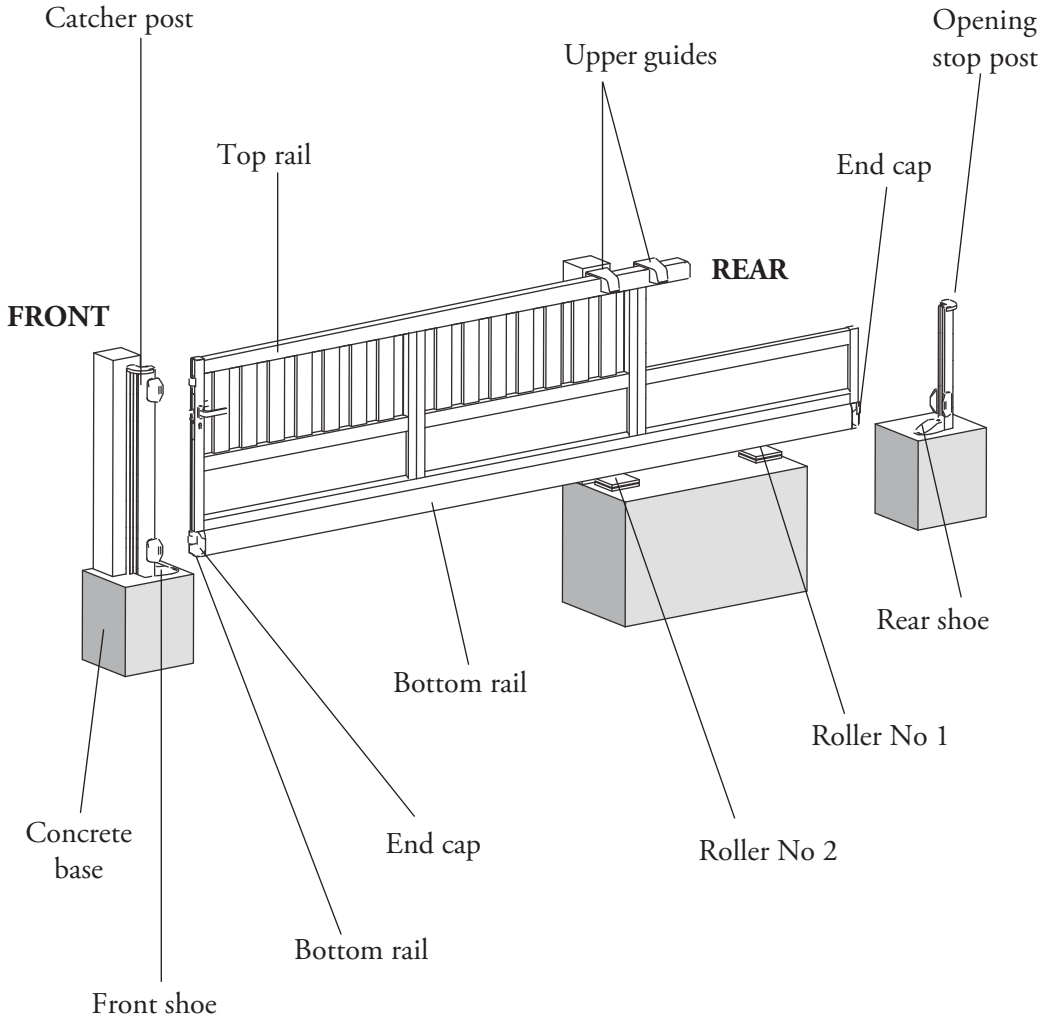
- 19mm Spanner
- 19mm Ratchet Socket
- Pipe Wrench
- T40 Torx Key
- Allen keys 3-10mm
- Cutter
- Tape measure
- Plumb line
- 16mm drill
- 2 60mm shims or 2 wooden blocks 100mm (see box on page 9)

Important recommendations

The anchors used for fixing must be suitable for the gate weight.

- 8 M12 threaded bar and chemical anchor (fixing the supports)
- 5 M8 plugs and screws (for catcher post and opening stop)
- 2 M10 rawlbolts - Flat top Models (guide attachment)
- 6 M12 threaded bar and chemical anchor (fixing the guide posts)

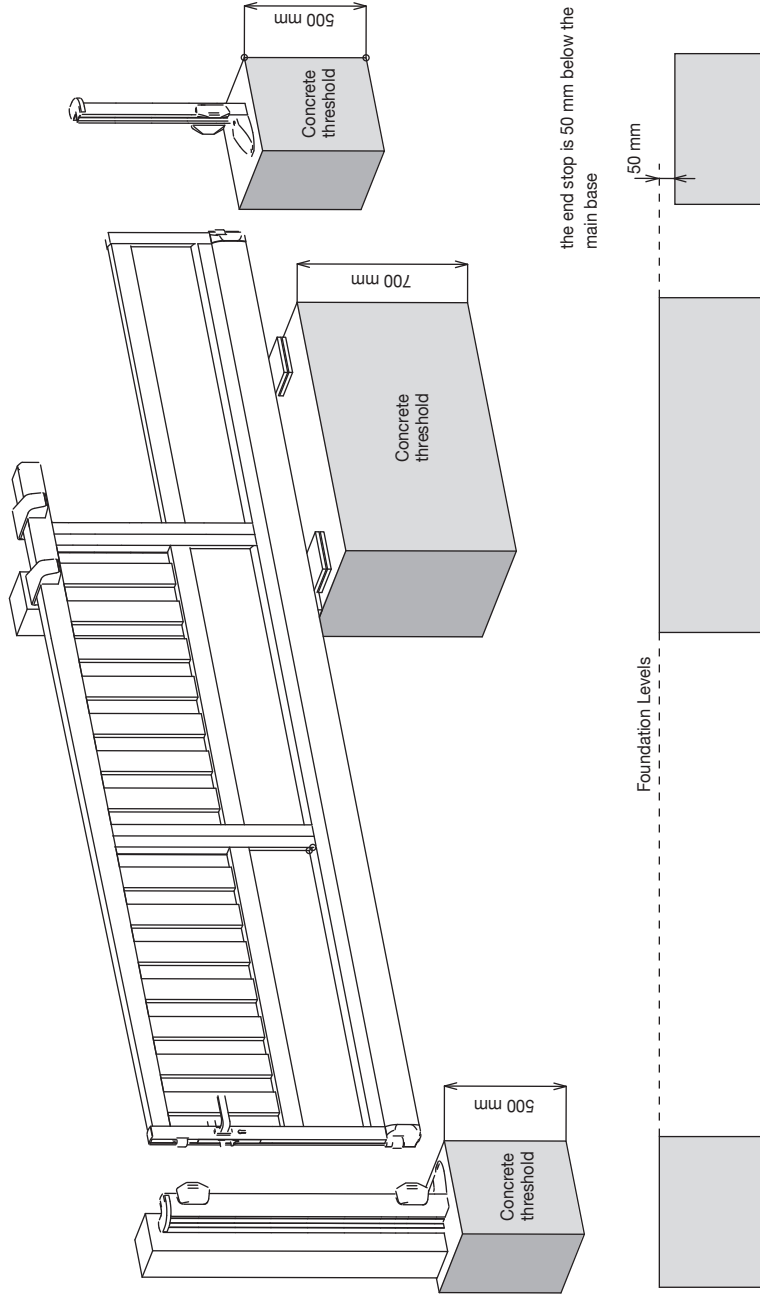
C *Parts guide*



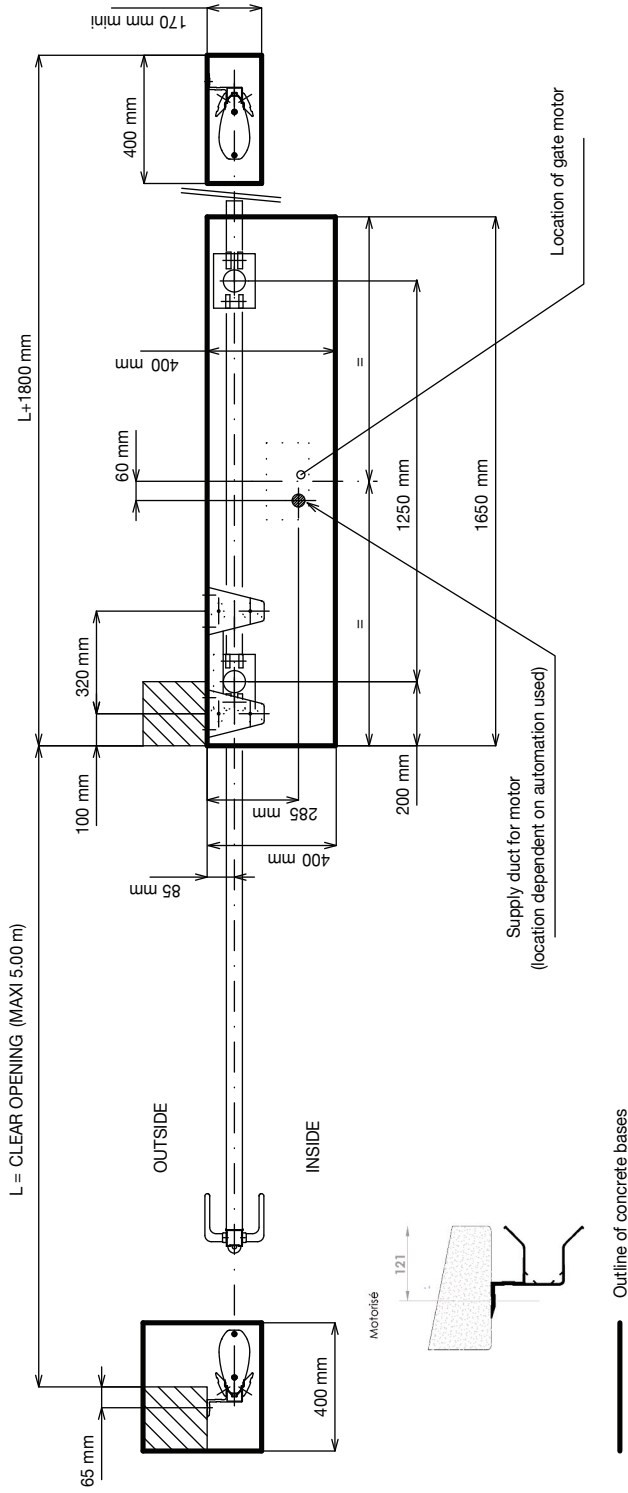
D

Foundation details

FLAT TOP MODELS (NOT TRADITIONAL) (MANUAL OR AUTOMATED)

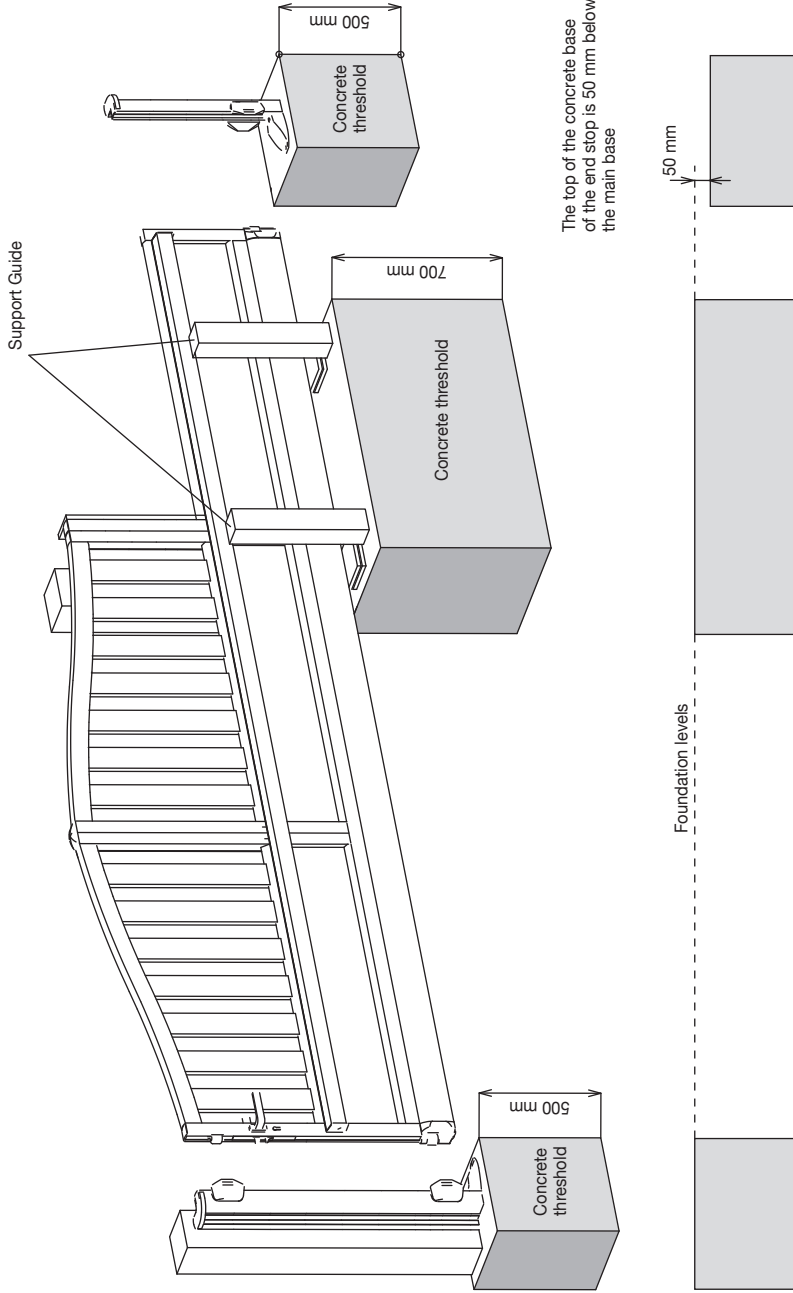


- Provide:
- shuttering for foundations
 - 3 concrete bases of strength suitable for anchoring the chemical anchors used (C35)

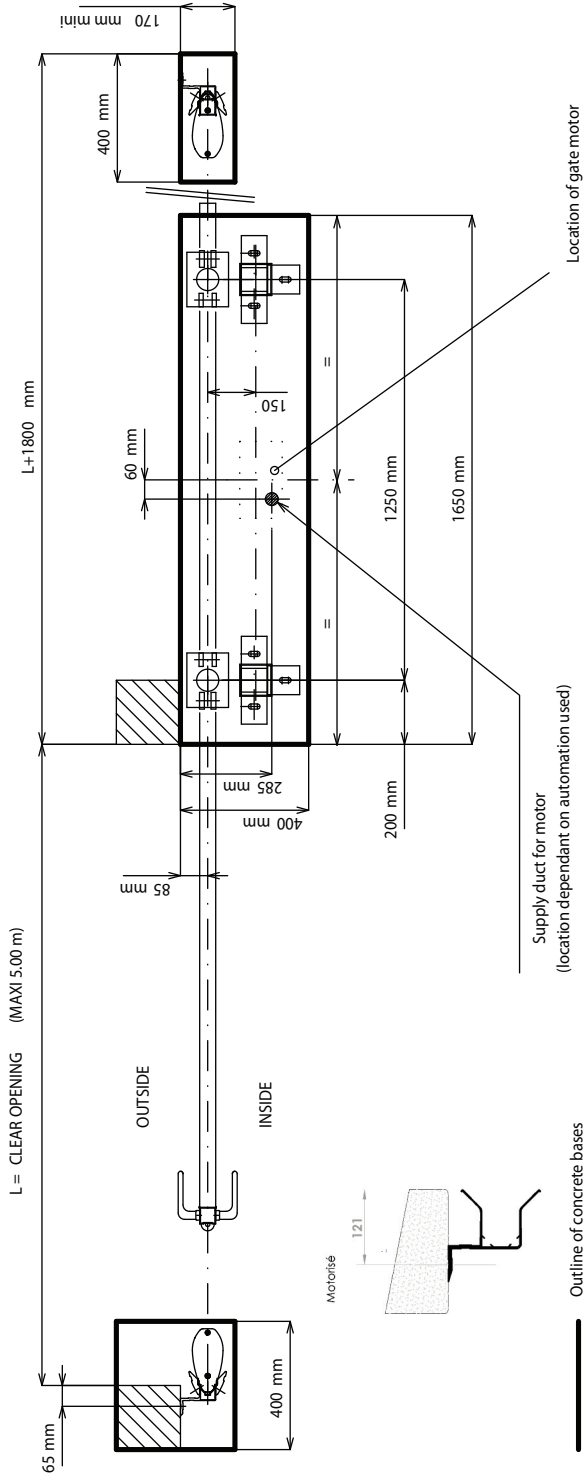


Foundation plans (continued)

OTHER MODELS WITH CURVED TOPS AND TRADITIONAL MODELS (MANUAL OR AUTOMATED)



- Provide:
- shuttering for foundations
 - 3 concrete bases of strenght suitable for anchoring the chemical anchors used (C35)

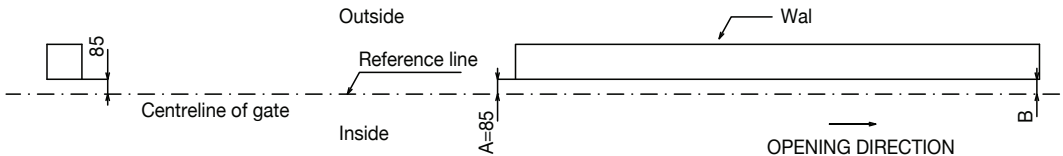


E Installing the cantilever gate

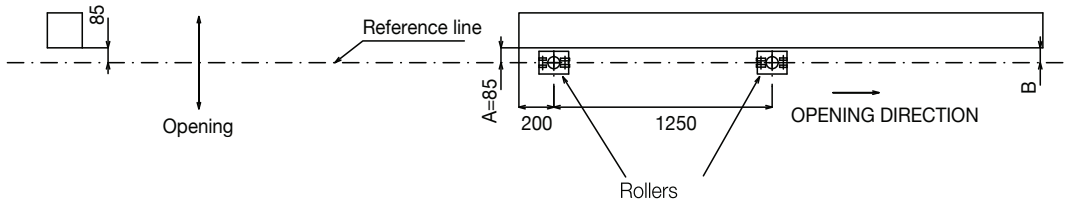
1 Installing the cantilever gate

Check that dimension B is greater than or equal to 85 mm.

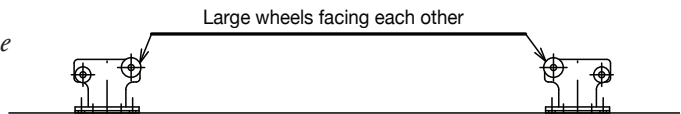
If $B < 85$ mm, increase the dimension A until B is at least equal to 85 mm.



2 Position and fix the rollers (8 x M12 fixings)

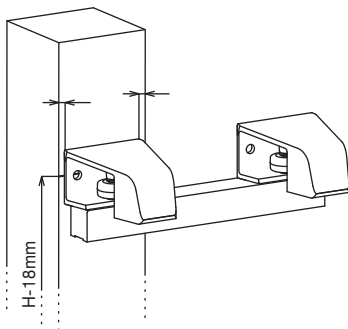


! Pay attention to the orientation of the wheels.

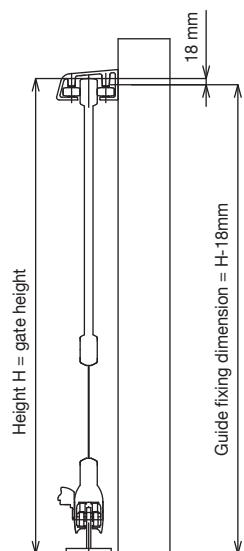


2 Attaching top guides for flat top models only (2 x M10 Rawlbolts)

Before placing the gate in the frames, trace the height of the screws on the pillar (H-18mm).

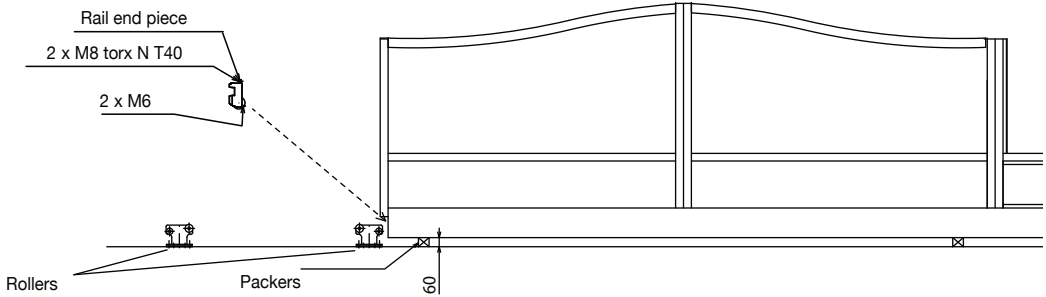


Position one of the guides at middle of the pillar and mark the fixing holes on the line. Drill the fixing holes and place the dowels. Do not mount the guide right away (see step E 9).



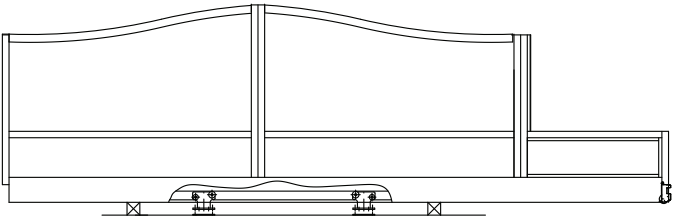
3 Slide the gate on the rollers (at the front or at the rear side, depending on the site configuration)

- Remove the front or rear rail end piece according to the configuration.
- Protect the top of the gate.
- Put a plastic film (that of the packaging) on the ground to facilitate the sliding of the gate before its engagement in the rollers.



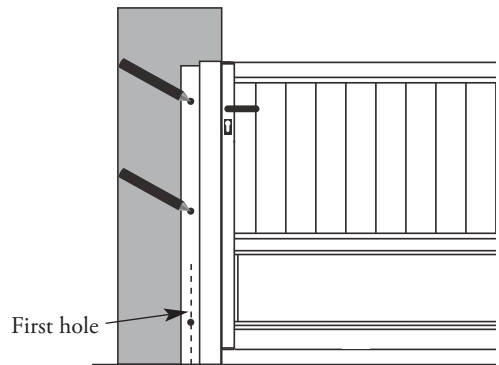
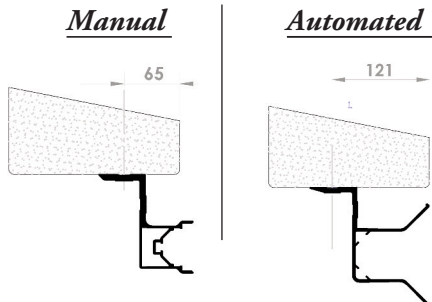
If there is not sufficient clearance to the right or to the left of the entrance, the rollers will need to be removed from the ground and slid into the gate rail. In this case, here is how to proceed:

- Place the gate on 2 blocks thickness 100 mm.
- Remove a first block by positioning the 2 rollers on the threaded bars, then remove the second block.
- Re-attach the 2 rollers and reassemble the rail end cap.



4 Attach the catcher post (3 x M8 plugs)

- The gate is in the closed position.
- Engage the gate in the catcher
- Mark out the first hole and remove the catcher post



- Engage M8 plug and fix the catcher post
- Position the upright parallel to the end of the gate and finish the fixing (2 other anchors).

5 Strike adjustment for manual gate

Adjust the height of the striker in relation to the bolt of the lock. The striker plate is adjustable. Tighten the screw after adjustment.



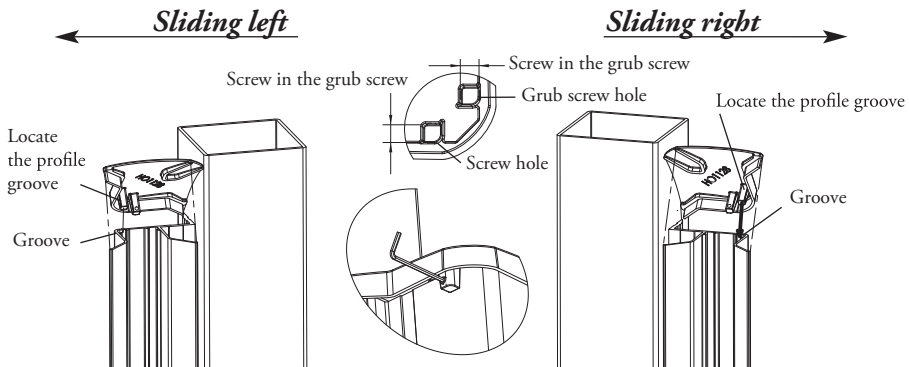
6 Attachment of the cover to the top of the catcher for manual gate

Insert the end cap into the profile of the strike post and tighten the screw with the 3mm Allen key.



6 Attachment of the cover to the top of the catcher for automated gates.

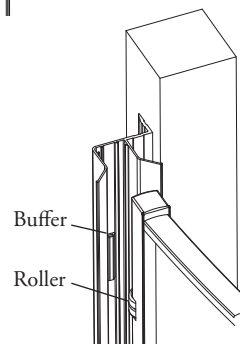
Position the cap pressure screws before engaging the cap.



Tightening of the cover with the external screw

7 Installation of the catcher profile buffer for an automated gate

Glue the buffer opposite the roller at the back of the catcher profile.



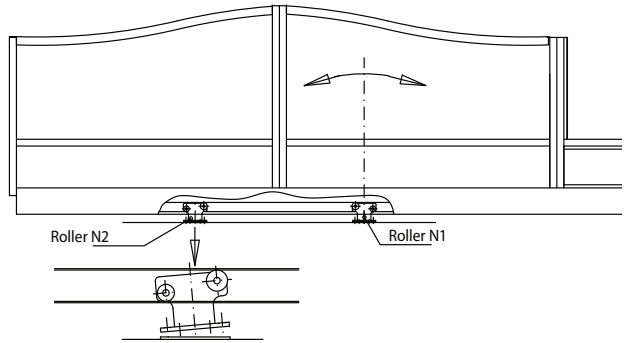
8 Adjusting the rollers

- Balance the gate on roller N°1.
 - Raise roller N°2, large casters side until the clearance is removed.
- The clearance is controlled by pivoting the gate on roller N°1.



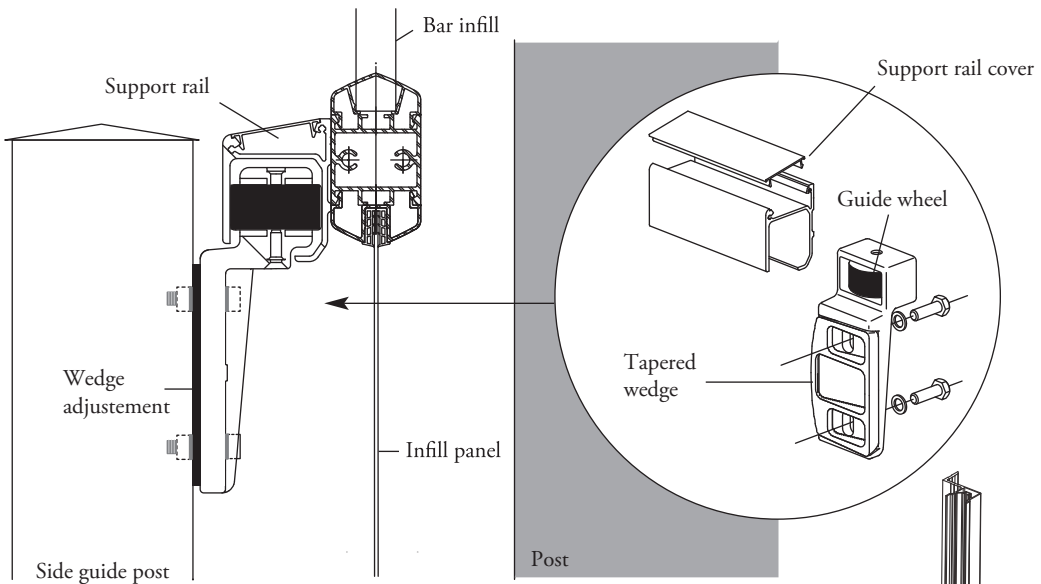
*Always leave a slight play, never force the wheels.
Proceed in the same way for the other roller.*

- Check the gate in the closed position.
The lower caster must go up without forcing on the front shoe of the catcher post.
 Optionally, raise the N°2 roller to level.



9 Fix the top guide

- For flat top gates: attach the guide with already installed M10 rawbolts. See 2
- For other models (6 chemical anchor M12 + threaded bars):
 - Installation of 2 support posts. See page 7 for the positioning of these posts.
 - Engage the 2 posts in the guide rail while respecting all positioning dimensions.
 - Check the gate is vertical.
 - Fix the 2 guide posts using chemical anchors M12 (6 anchors).

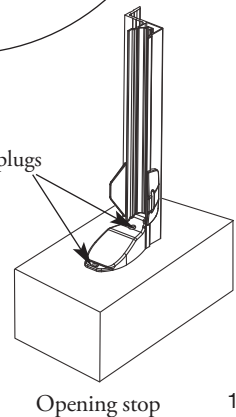


10 Adjust alignment of the gate with the catcher post

This adjustment can be done by adjusting the rollers and the top guide (for flat top gates) or the support posts (for other gates)

11 Fix the opening stop (2 plugs M8 and screws)

Position and fix the opening stop.



OPTION

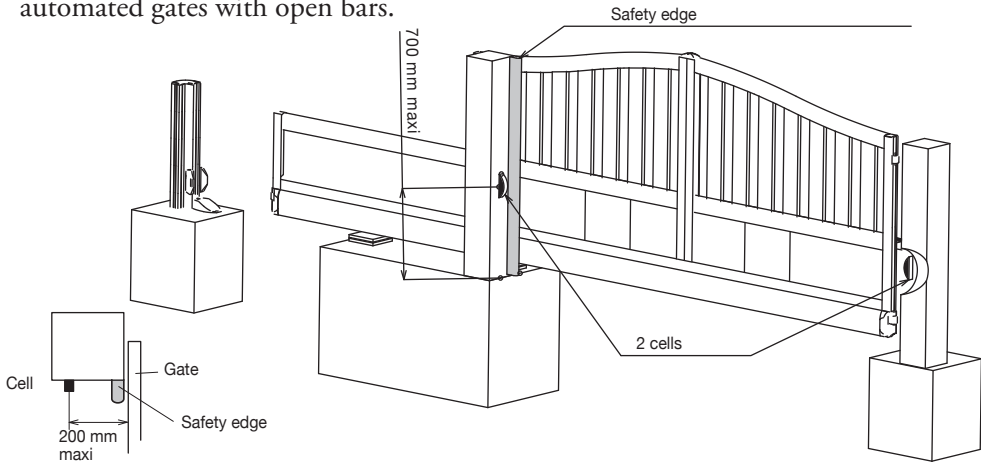
Automation

• Motor installation

All configurations for the implementation of the motor are contained in the installation instructions supplied with the motor.

• Photocells and safety edge

See instructions in their installation manuals. The safety edge is compulsory for automated gates with open bars.



Instructions

Instructions end of construction

Remove the packing materials according to current standards.
All requirements of EN 12604 and EN 12453 must be met and verified if necessary.

Disassembly / Demolition

Any dismantling operation can be undertaken by a professional. The dismantling will be made following the reverse order of assembly. Precautions will be taken to stall the gate to prevent it from falling. The disposal of materials must be made in compliance with standards.

Changes or improvements

Changes or improvements to the portal are allowed only if the portal continues to meet all the requirements of the EN 13241+A2 and UKCA standards.

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