

INSTALLATION INSTRUCTIONS

DUOFUSE GARDEN GATE DF1G2-1.00



10
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Installation instruction for the Duofuse garden gate

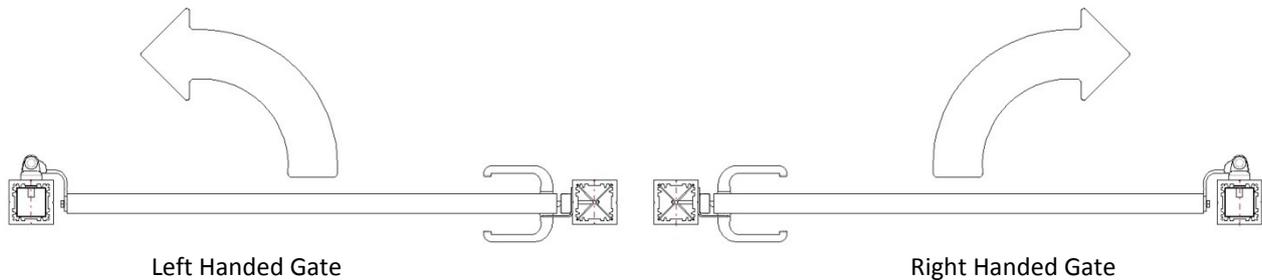
DF1G2-1.00

We recommend reading through the entire installation instruction before starting, and please check the website for the latest installation instructions. **Failure to follow these instructions will void the Plastivan warranty.** The colours and the surface brushing may differ slightly from production deliveries and are not contractual. When the fences have been exposed to some rain or other water showers, temporary water circles and drips may form. This is a temporary effect that disappears after more rain. By rinsing the fences with a garden hose the water circles disappear faster.

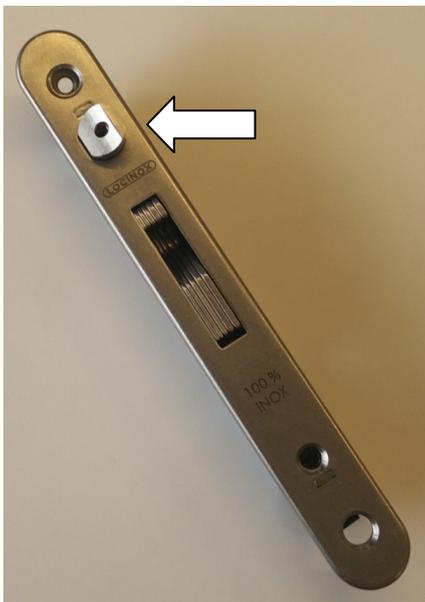
The garden gate should be acclimatized for a minimum of 24 hours before starting the installation. Remove packing if present. Cover the garden door against rain and sunshine. Do not install the door in temperatures below 5°C. Use a drill with low speed and high torque.

Guidelines to determine the rotation direction of the Garden Gate.

It is important to check the desired rotation direction of the Garden gate before installing it. The rotation direction has influence on the orientation of the following parts: the Strike plate, the lock (latch bolt) and the hinges.



The directional parts can easily be modified to change the direction. Both configurations of the strike plate assembly and the lock are displayed below. The instructions to switch configuration can be found on the next page.



Left handed lock



Left handed strike plate assembly



Right handed strike plate assembly



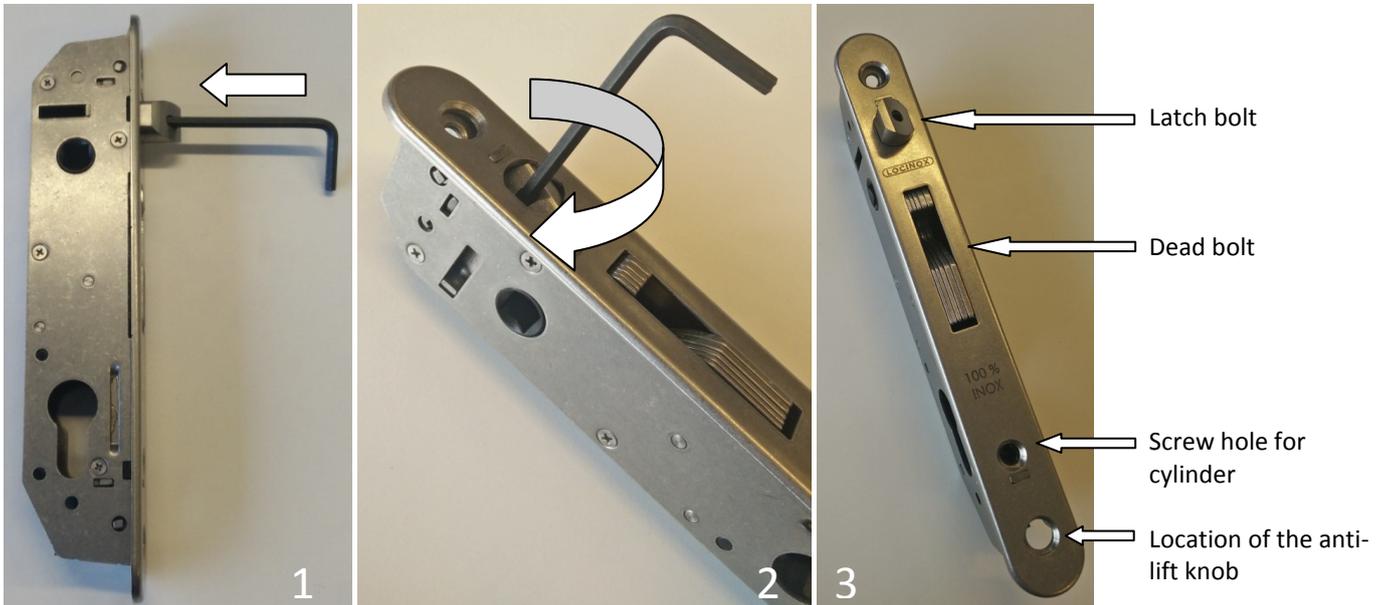
Right handed lock

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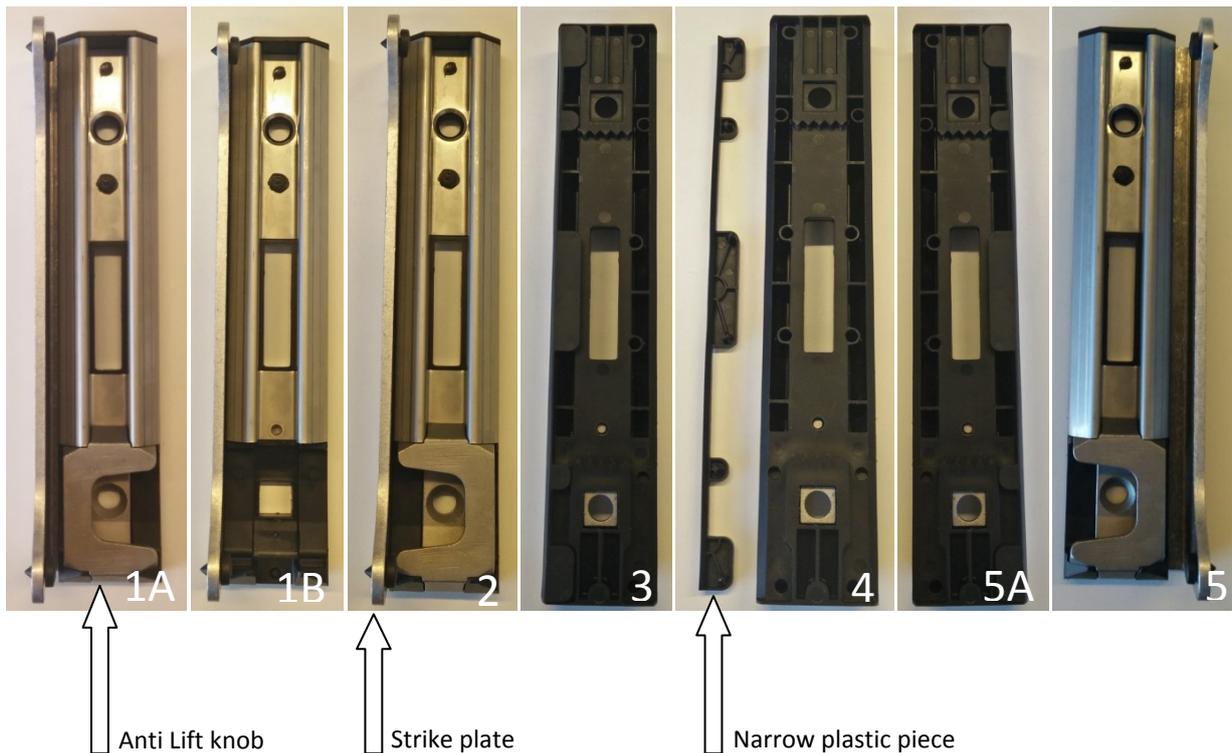
Rotating the lock (latch bolt)

1. Place a hex key nr. 4 in the centre hole of the latch bolt and press down on the latch bolt.
2. Turn the hex key 180° while the latch bolt is pressed down.
3. Release the latch bolt in its new configuration.



Rotating the Strike plate assembly

1. Carefully pull the C-shaped metal piece at the bottom from its seat. (1A and 1B).
2. Turn it 180° and reseat it.
3. Turn over the strike plate assembly so the back is visible.
4. Remove stop plate and the narrow plastic piece.
5. Place both back on the opposite side.



Preparation of the Gate Post

1. The Gate post is shipped installation ready. The bolts, washers and wire rivets are pre-installed. This post is always 3 meters long.
2. The core of the post is a galvanized steel tube.
3. Preview of a mounting hole with its steel bolts and washers.
4. Mount both the hinge bases using the bolts and washers provided. Measure the distance between both the bases and adjust to 109,5 cm (43,11 inches). The distance from the centre of the upper hinge to the top of the post should be 34,2 cm.
5. Tighten all bolts with a wrench/spanner size 17.
6. Place both cover plates over the hinge bases.



1



2



3A



3B



4/5



4A



4B

Hinge base



Cover plate

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Preparation of post with the strike plate assembly

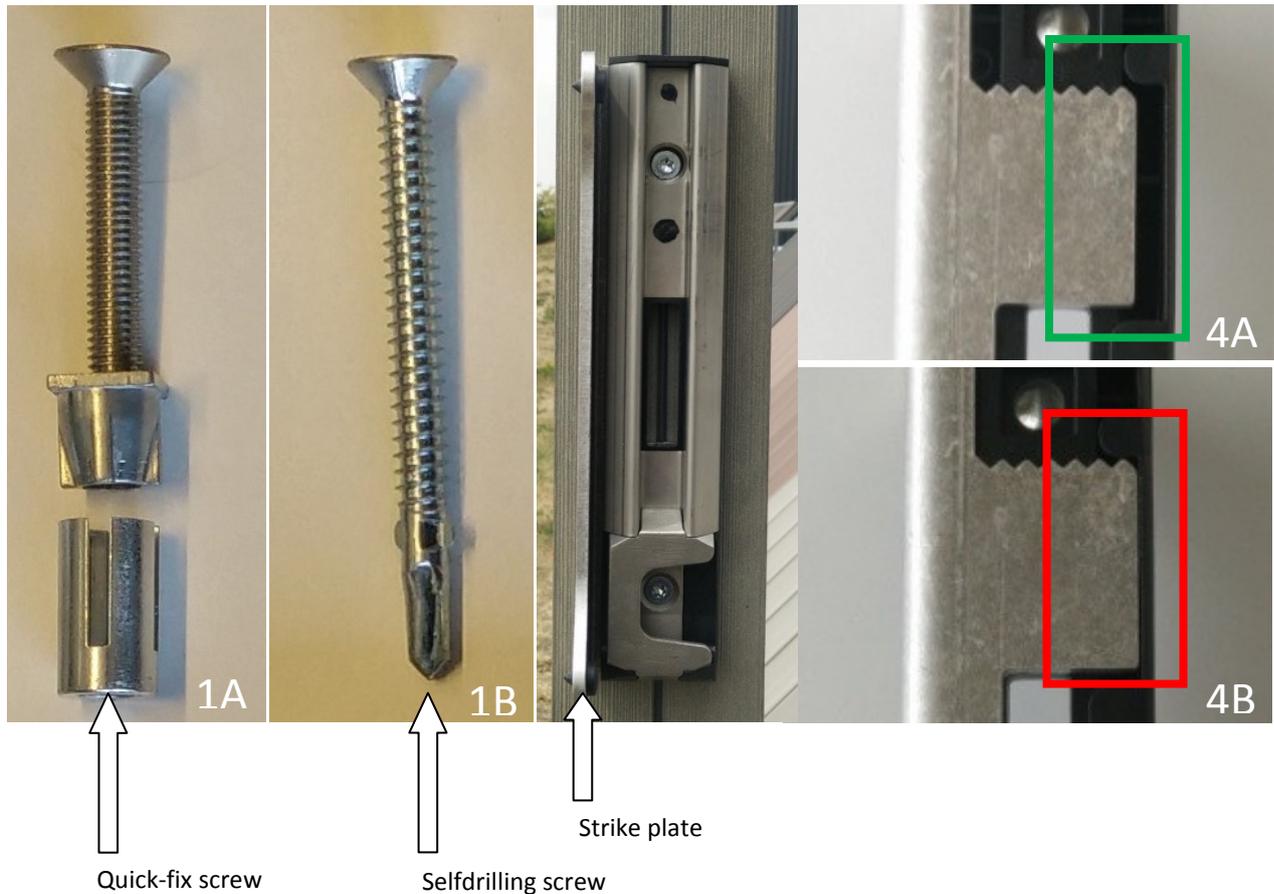
This post is a standard post with the aluminum cross-chapped reinforcement beam (not a Gate Post). Against this post the strike plate assembly will be mounted. The length of this post depends on the height of the fence. If the fence is lower than 1,80 m a post with a length of 2,7 m can be used. If the fence is higher than 1,80 m a post with a length of 3,0 m should be used. The location of the screw holes depends on the height of the gate. The measurements provided in the table below are independent of the length of the post as they are measured from the top of the post.

Gate Height	Upper screw hole (A)	Lower screw hole (B)
1,80 m	79 cm	97 cm
2,00 m	94 cm	112 cm

1. Before mounting the strike plate remove the premounted Quick-fix bolts (1A), these are not needed. Use the provided self drilling screws (1B) instead.
2. Keep the rotation direction of the gate in mind during placement of the strike plate assembly (as mentioned before). Make sure to drill the holes relative to the top of the post. (A sticker is present at the bottom of the post.)
3. The easiest way to mount the strike plate assembly is to drill the holes with a diameter of 5 to 6 mm to a depth of at least 5 cm (through the aluminum core).
4. Screw in the screws using a torx key TX 30. Make sure to mount the strike plate so the gate can close correctly (4A is correct, 4B is not).



The strike plate can also be mounted on a wall using the provided screws and wall plugs.



Placement of the Posts

The two posts should be placed in the ground, as illustrated in the diagram to the right. The depth of the post depends on the type of gate and the type of fence used.

Gate Post: In the table below the depth of the gate post is listed for each of the standard fence heights.

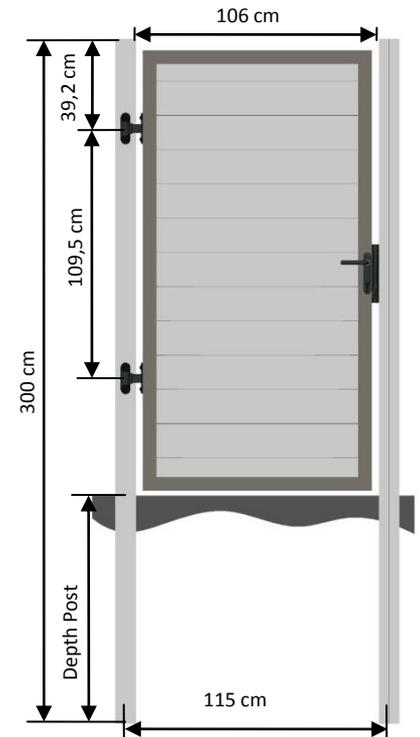
Depth of the hole	Height Tong and Groove fence		Height Slat wall fence
	1,80 m high	1,95 m high	2,00 m high
Depth of the hole	114,5 cm	99,5 cm	94,5 cm

Post with strike plate:

If a post of 3,0 m is used, use the same depth as listed above.

If a post of 2,7 m is used, use a depth of 82,5 cm (This is only possible if the fence is 1,80 m high or less.)

1. Dig 2 holes about 5 cm deeper than necessary for the post. The hole should be about 40 x 40 cm wide. The centre-to-centre distance of the two holes should be 115 cm (or a surface to surface distance of 106 cm).
2. Place a tile at the bottom of the pit to prevent the posts from sinking during the hardening of the (fast-setting) concrete.
3. Check that the top surface of the tile is at the correct depth.
4. Place both the post in the holes. Verify that the posts are at the correct distance from one another. Verify also that the bottom of the posts is placed in the pits.
5. Verify that both posts are standing straight using a level.
6. Place the level on top of both posts to verify that they are level.
7. Fill the pits with (fast-setting) concrete.
8. Let the fast-setting concrete harden for a least a night before mounting the gate.

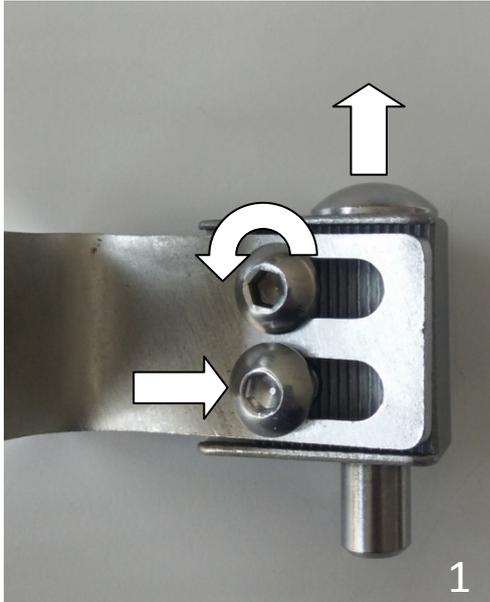


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Mounting the gate

1. Loosen both adjustment screws (using a hex key nr. 6) and remove the hinge pins.
2. Mount the hinges against the gate. The mounting holes are already drilled in the gate frame. Use the premounted Quick-fix screws (using a hex key nr. 5). Don't forget to place the plastic plate between the gate and the hinge. This plate enables the tightening of the quick-fix screws. Remember to check the rotation of the hinge before mounting it.
3. Mount the gate between both the posts. The simplest way is with 2 or 3 persons (so at least 1 person can hold the gate up while the other places the hinge pins back in there holes).
4. Tighten the adjustment screws while the gate is being held straight.



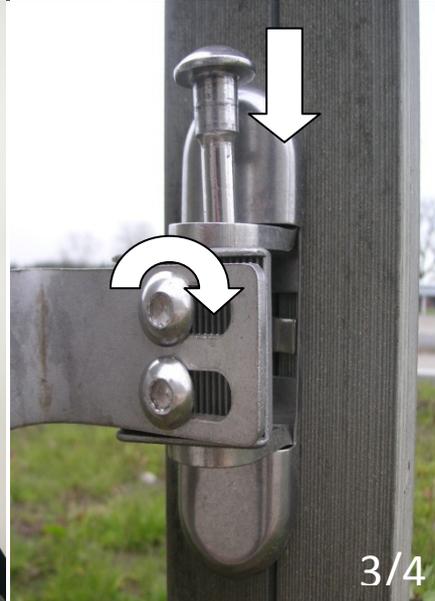
1



2A



2B

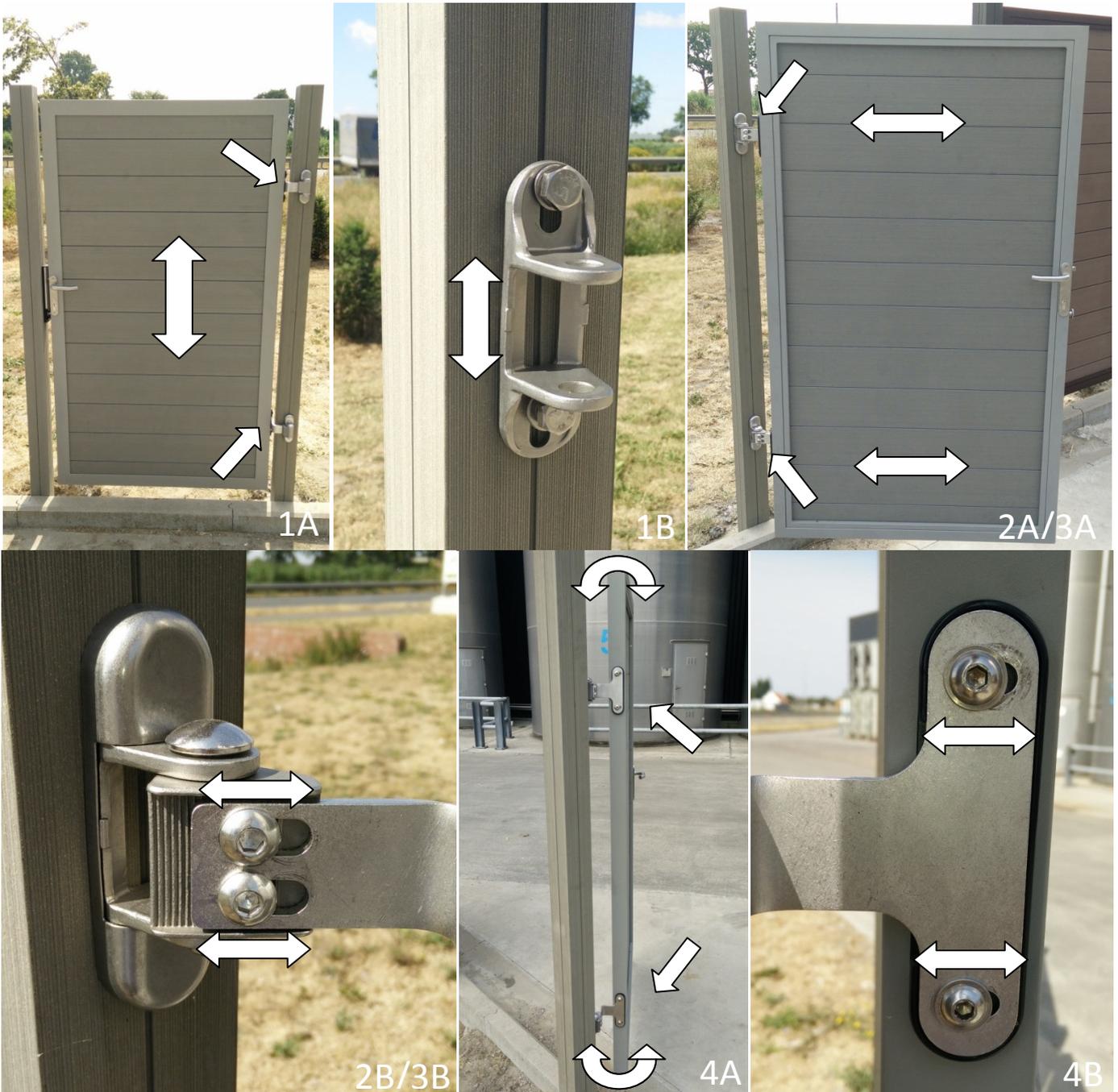


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Adjusting the Gates' position

With the gate mounted it is possible to adjust the gates' position.

1. The height can be adjusted by moving the hinge bases up or down.
2. The position of the gate between the posts can be adjusted by loosening the adjustment screws on the hinge and sliding the gate to the left or right while keeping it level. (This is the easiest after the lock has been mounted.)
3. The tilt of the gate between the posts can be adjusted by loosening the same adjustment screws as in the previous step and tilting the gate left or right.
4. The forward tilt can be adjusted by loosening the screws that hold the gate against the hinges.



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Installing the lock assembly

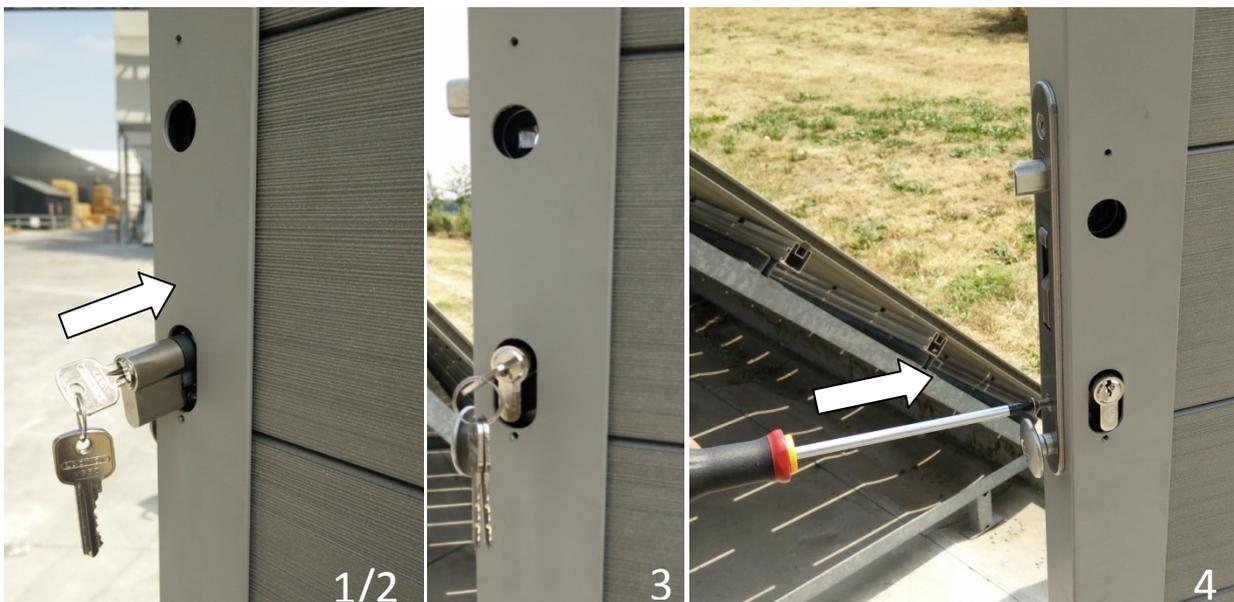
1. Place the lock assembly, with the latch bolt at the top, in the precut slot in the gate.
2. Use a screwdriver to press (through the screw holes) against the clip holding the mounting mechanism (so the mechanism can jump into place).
3. It's now possible to secure the lock assembly onto the gate. Use 1 of the short screws included with the lock assembly to clamp the top down. Mount the anti-lift knob in the lower hole using the screw included with the knob (both are packaged with the strike plate assembly).



Anti-lift knob

Installing the cylinder

1. Insert the key in the cylinder.
2. Turn the tooth of the cylinder so it sits flush with the rest of the cylinder.
3. Place the cylinder inside the cylinder hole.
4. Fix the cylinder in place using the narrow screw included with the lock.



Installing the escutcheon/ face cover

1. Place the escutcheon over the cylinder and the spindle hole.
2. Fix the escutcheon using the small screw included in the packaging.



Installing the door handles

1. Loosen the screw that holds one of the door handles (using the provided hex key nr. 3) and remove that handle from the spindle.
2. Place the plastic rings in the upper holes of the escutcheon and press them down.
3. Slide the spindle through the lock.
4. Slide the removed door handle back on the spindle and press both door handles simultaneously against the escutcheon.
5. Fix the loose door handle by tightening the screw in the door handle.





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