

How to Install a Jacksons Self Closer on Gates

Thank you for choosing Jacksons Fencing. Our high quality fencing products will last for years and give you trouble-free service if you follow the installation instructions below, which are offered as a general guide.

1. Use

Mostly used in children's playgrounds, schools, nursery etc. where the constant access and egress required all day every day requires limited looking after in terms of ensuring the gate is closed.

The surface **MUST** be flat to fit the Jacksons self closer box into so it doesn't protrude above the ground level and cause a trip hazard.

If the ground is sloping it will have to be made level or rounded off with a small ramp to it with a smooth incline if this is acceptable to the customer and its surroundings.

Ideally the Jacksons self closer box should not be fitted below any ground levels but flush with the adjacent surfaces.

Single leaf gates with a magnetic latch are the most popular configuration method; we can also use the Jacksons self closer on Double leaf gates with the other leaf being static in the ground with a drop bolt. A keyed lock can also be fitted as well as the Jacksons self closer so the client has security as well as the self closer, but we cannot guarantee the lock will always engage by the closer alone, due to inconsistent weather sometimes affecting the closing cycle.

When the Jacksons self closer is used with a slam plate for closure and no locks the gate speed can be slower, when a lock is incorporated the gate speed will be increased. (See gate speed).

2. Installation

The top of the box must be flush or slightly above surrounding ground and must be clean and free from concrete on top of the box, as this may damage the screws to the top of the box.

The gate height off the floor is already determined by the gate itself and there for it must be worked out when fitting how high the Jacksons self closer box is off the floor.

The casing support is designed so that the mechanism is twisted very slightly past the closed point, to slightly tension the workings and help better ensure full closing during normal operation.

The mechanism inside the box **MUST** be tightened by the adjuster studs inside so that the parts don't move when the gate is working, this can be done when the gate is up.

The Jacksons self closer box **MUST** be fitted in a strong concrete surrounding (approx. 150mm to all sides) with sufficient amount of concrete to suit the ground it is on and ideally 100mm of concrete under the box.

If the ground is soft soil, then more concrete should be used to prevent movement.

Always ensure there is a rubber stop fitted to the slam plate so there isn't a loud bang when the gate closes or damage to the post. Once the self closing operator has been installed, approx. 1/3 of the gel (supplied) should be placed around the gate locating lug/area under the small cover plate, the gate can then be fitted and adjusted as required. When happy with gate operation the rest of the gel can be inserted, ensuring any adjuster screws are covered to prevent rust.

A standard 380ml mastic gun will be required.

Gate Speed:

This can be altered by using a flat head screw driver and turning the 2 grub screws inside the box, the gate must be closed and opened a few times to gain the correct speed for the use it is meant for. The first screw controls the initial closing speed and the second screw determines the gate latching speed when it nears the closing post. We recommend turning each screw no more than half a turn at a time before retesting the installed gate speed.

i.e.: slow as possible for small children nursery, play area

Faster shutting for a security/ adult environment with taller heavy gates.

If there is a keyed lock fitted to the Jacksons self closer then we have to ensure the power to the gate swing is increased as the gate has to close and also slam the lock latch into place on the closing post, ideally not used in a children's environment as the closing speed could injure a child.

Ensure the 4 screws to the top of the box are not damaged as these should be fitted and tightened after every inspection/ alteration.

Maintenance:

The maintenance for the Jacksons self closer should be very little throughout the life of one but it would be an advantage to know simple tasks that would correct or ensure its long working use, as follows:

Ensure the 4 screws to the top plate are kept clean and free from concrete and other debris that may prevent a screwdriver fitting into the screw heads.

Take off the top plate and clear any debris that has entered the box and may cause harm to working parts.

Ensure all 4 interior nuts are tight and the box doesn't move at all inside the box when the gate runs, tighten up with suitable spanner.

Check the slam plate or lock to ensure all fixing bolts are tight and not coming free when the gate slams against the post. If a keyed lock is also fitted to the gate then check all connected ALLEN KEY bolts to ensure they are tight and that the latch is sufficiently out or in to suit the gate when it closes, this can be done by closing the gate a few times and adjusting the latch cylinder to suit the latch keep on the post.

The information for the Jacksons self closer should be sent in the O and M manual when fitted for the customer or a leaflet to explain this information.

Problem Solving:

The main problems that customers come back with are the speed of the gates and adjustment, and this can alter in the following months of the gate being installed. Customers need to know by doing some simple tasks that this can be solved on site in minutes usually.

The customer also should know the limitations of each gate and the Jacksons self closer fitted to the gate chosen and what it can and can't do.

Keyed locks fitted to Jacksons self closer gates:

This can potentially cause a problem in that the latch can hit the slam plate too quickly and cause it not close and damage the slam plate, the latch cylinder or both.

Sometimes the lock keep can wear down if the gate speed is too high and the latch is too long. Adjust to suit on site and go through the working gate with the client.

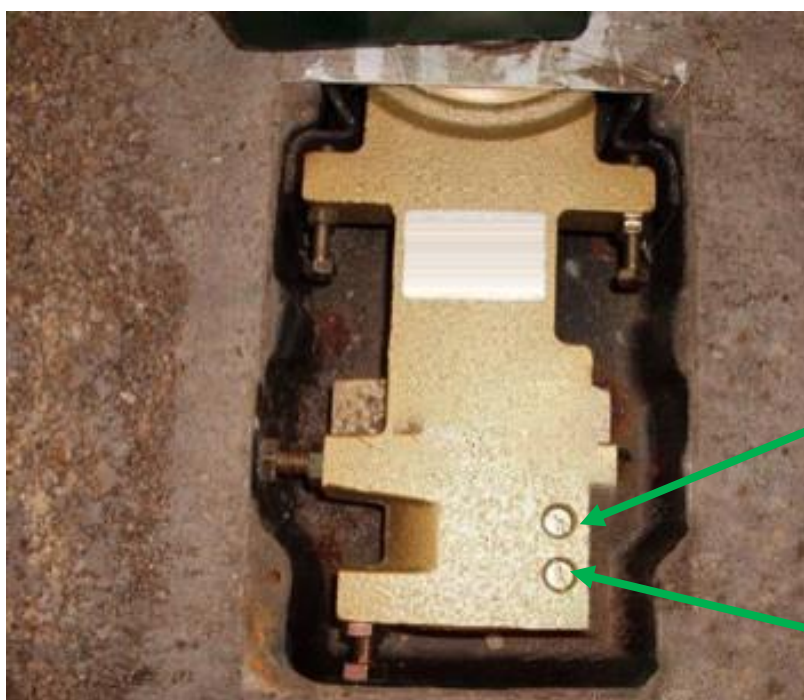
Both the posts and the box MUST be fitted level or the gate won't work correctly as it should do.

If the gate moves at the bottom, check the bolts inside the box as they may have come loose, re tighten to solve the problem.

Avoid heavy traffic or vehicles going over the box or through the gate as this could damage the box and the insides.

Ensure the supplied and fitted Rubber stop is secure and that it is doing its job and preventing damage to the gate post and stopping gate noise on closing.

SELF CLOSER SPEED
ALTERATIONS



TOP SCREW IS FOR THE GATE
CLOSING SPEED. IT SHOULD
BE SCREWED DOWN TIGHT
FOR SLOWEST MODE
MOVEMENTS ONLY.

BOTTOM SCREW IS FOR GATE
LATCHING SPEED OVER LAST
20 DEGREES. IT SHOULD BE
ALTERED AFTER THE TOP
SCREW, VERY SLIGHT