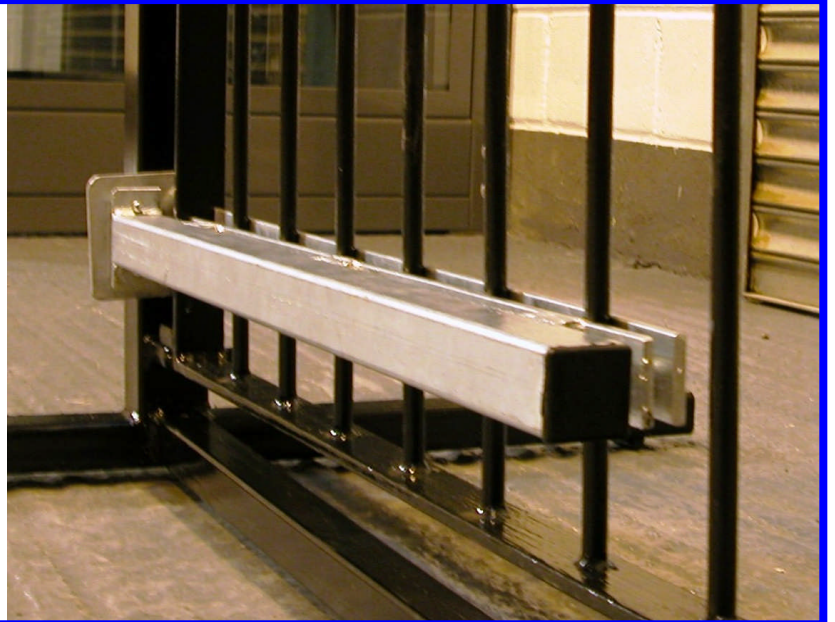


VANDAL RESISTANT GATE CLOSER

- Suitable for vertical bar gates
- Unbelievably quiet operation
- Adjustable controlled closing speed
 - Low opening hand forces



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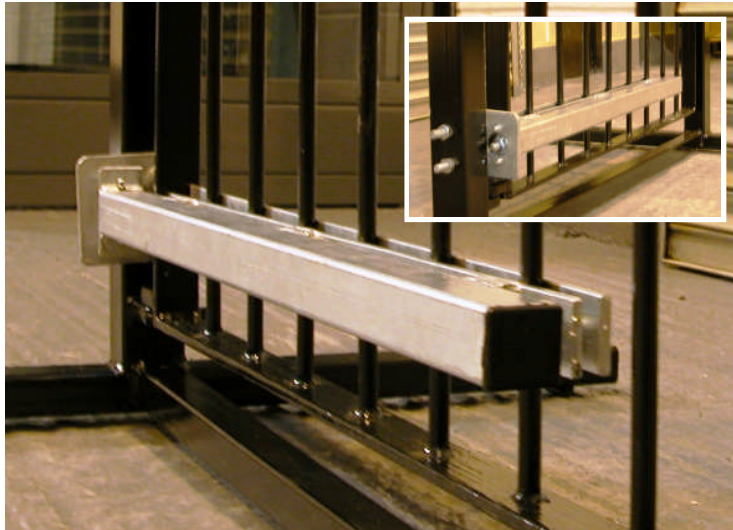
Vandal Resistant Gate Closer

Vandal Resistant Gate closers are an ideal mechanical closing system for pedestrian gates with in-line hinge arrangements. They can be fitted in conjunction with electromagnets, electric rim locks, digital push-button locks or other access control devices.

Vandal Resistant Gate Closers fit to vertical bar, bow top, wrought iron & timber gates. When fitting to steel gates, the gate closer post bracket and chassis can be fitted using screw fixings or welded to the post and gate.

It is simple to adjust the closing speed, which can only be altered when the gate is in the open position.

With up to 100 degrees of opening (depending upon the hinge configuration), high corrosion resistance, vandal resistant design, everyone appreciates this closer for its outstanding features and impressive performance.



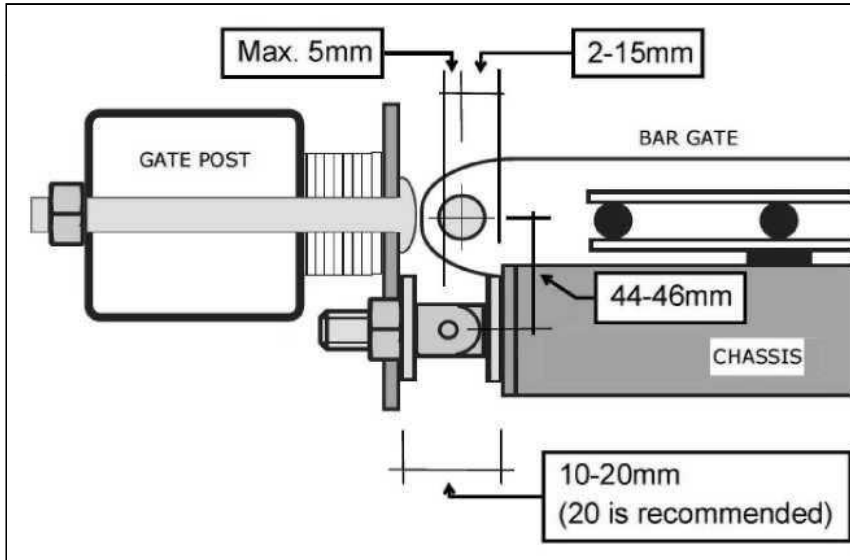
Technical overview:

Material	Steel
Colour	Silver
Finish	Galvanized
Max Opening Angle	Up to 100 Degrees
Max Gate Weight	80 kg
Max Gate Width	1.2m
Types of Gate Materials	Timber or Steel
Gate Closing Speed	Adjustable
Opening Hand Forces	10 to 40N

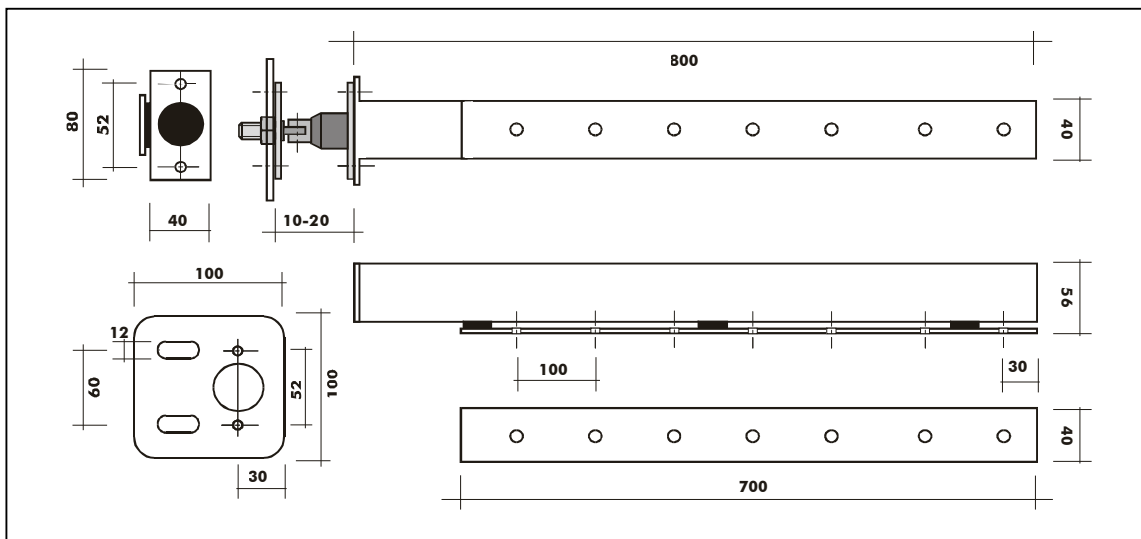
Optional finishes:

Powder coat paint finishes are available for quantity orders. Please contact us for further details.

Installation Arrangement (Fig 1)



Dimensions (Fig 2)



Kit Includes

- 1 x Concealed gate closer
- 1 x Concealed closer post counter plate
- 1 x Concealed closer connection eyelet
- 1 x Chassis
- 1 x Clamp plate
- 1 x Post mounting plate
- 2 x Post mounting plate fixing bolts
- 1 x Screw kit containing:
 - Countersunk fixing screws
 - Clamp plate bolts
 - Spacing washers

Installation Instructions



Operation and Speed Adjustment

Each kit includes a concealed gate closer that is fixed to the gate using the chassis system, and a bracket, which is fixed to the gatepost. The closer and the bracket are connected through an articulated joint. When the gate is opened, the articulated joint fixed to the gatepost bracket creates tension in the gate closer's internal spring return mechanism. When the gate is allowed to close, the closer's internal hydraulic damper provides a controlled closing speed that is adjustable.



Speed Adjustment – To adjust the closing speed, open the gate 45-90 degrees, push the long reach hexagon key into the hole found in the articulated joint. Locate the hexagon socket, turn clockwise to reduce the speed and anti-clockwise to increase the speed.

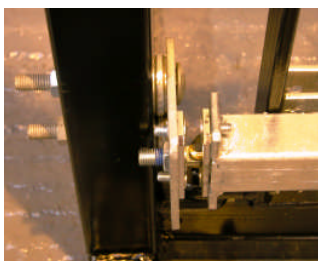
IMPORTANT – Do not keep turning the hexagon key once the slowest speed is achieved. Forcing the adjuster will damage the closer.

STEP 1 IMPORTANT - Check that the vandal resistant gate closer kit can be fitted in the correct position to ensure correct function. Use the drawings on the previous pages. If the correct position cannot be achieved, do not fit the closer.



STEP 2 Offer the chassis up to the closing side of the gate and bolt the clamp plate to it from the opposite side of the gate. Be sure to tighten the bolts evenly to obtain an even compression across the gate and to ensure the chassis is in the correct position in relation to the hinge, this is important. Refer to Fig. 1.

STEP 3 Bolt the post mounting plate to the gatepost by drilling 2 x holes through the post to match the post mounting plate holes. The plate holes are horizontally elongated to give easy alignment to the chassis. Spacing washers are provided to ensure the correct gap between the post mounting plate and the chassis.



STEP 4 It is very important to ensure that the centre line of the chassis, the post mounting plate and concealed closer counter plate are the same centre line.

STEP 5 Now fit the concealed closer into the chassis. Ensure that the long access groove in the black articulated joint does NOT face the side of the gate hinges, (access to the speed adjustment screw will be via this groove).



STEP 6 Fit the concealed closer counter plate onto the post plate. Screw the self-locking (thread locked) eyelet into the concealed closer counter plate. Once the thread locked eyelet has been screwed into the counter plate, you have approximately 30 minutes before the thread lock will set.

STEP 7 Now connect the bronze alloy fork to the eyelet with its clevis pin and secure it with its circlip. We recommend lubricating the pin as this prolongs its life considerably. Open the gate completely and remove the securing pin from the joint.



The closer is now ready for operation. Should you ever need to remove the closer or disconnect it from the counter plate, insert the securing pin back into the joint first.

IMPORTANT FITTING NOTE

When fitting the post mounting plate to the post, place the larger 16mm holed washers onto the fixing bolts first, so as to space around the square shank of the bolts.

Adjusting the closing speed

1. Open the gate between 45 and 90 degrees.
2. Insert a long reach hexagon key into the elongated slot in the side of the black articulated joint cover.
3. When the key is inserted in the slot, locate the hexagon socket inside the closer.
4. Turn the hexagon key clockwise to reduce the gate speed and anti-clockwise to increase the gate speed.
5. Test the closing speed after each half turn.
6. **DO NOT force the adjustment in either direction as this may damage the closer.**



Maintenance

Maintenance is required on a regular basis to ensure maximum life and best performance from gate closers. The frequency should be decided taking into consideration the environment the gate operates in, frequency of use and likelihood of damage. A typical maintenance period would be quarterly. Please contact us for further advice if you have an extreme situation.

1. Lubricate the closers working joints with lithium grease
2. Check gate has not "dropped" and that closer mechanism remains horizontal
3. Make sure all fixings are secure
4. Check gate movement is horizontal and not descending or ascending
5. Check for damage to gate and closer
6. Lubricate gate hinges