

# Application solution

# Gate closer 006

When there is only a 10mm gap to fit the spring behind the door.

Ref: App-Gate250-006.pdf  
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 Scale 1:4 - all dimensions in millimeters

This solution only allows the gate to rotate 81 degrees. You will need to install a door stop so the gas spring does not get damaged/crushed when somebody tries to open further than it can.

## Movement to be expected once the spring is in position

The gas spring is placed behind the gate, therefore it will always try to push it closed.

Depending on the force you order and friction in the hinge, the gas spring will close the gate fully in 5 to 12 seconds.

In this position, because the gas spring is almost in line with the hinge when the gate/door is open, the gate/door will stay open if there is too much friction in the hinge.

## How much force do you need ?

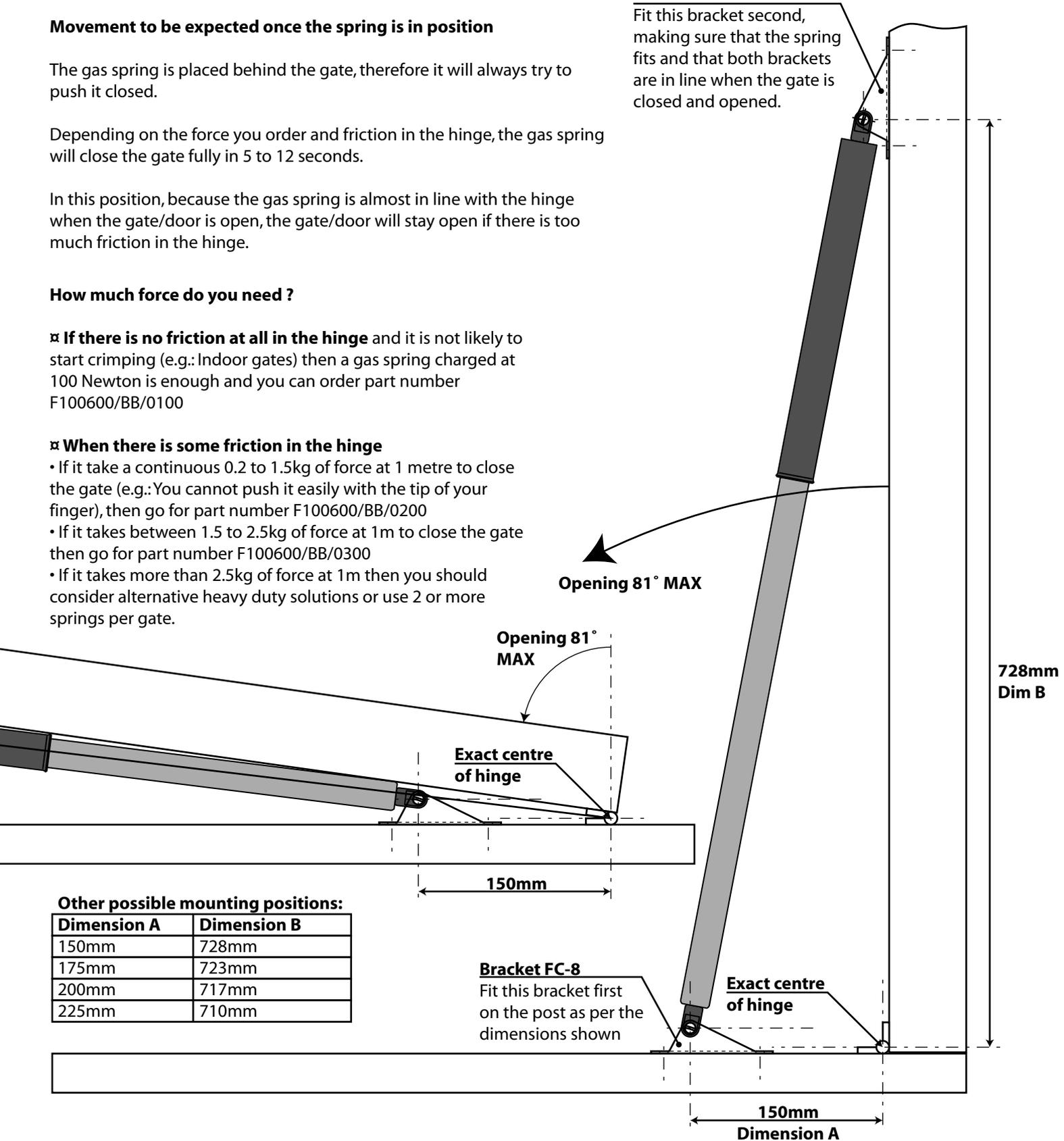
• If there is no friction at all in the hinge and it is not likely to start crimping (e.g.: Indoor gates) then a gas spring charged at 100 Newton is enough and you can order part number F100600/BB/0100

### • When there is some friction in the hinge

- If it take a continuous 0.2 to 1.5kg of force at 1 metre to close the gate (e.g.: You cannot push it easily with the tip of your finger), then go for part number F100600/BB/0200
- If it takes between 1.5 to 2.5kg of force at 1m to close the gate then go for part number F100600/BB/0300
- If it takes more than 2.5kg of force at 1m then you should consider alternative heavy duty solutions or use 2 or more springs per gate.

### Bracket FC-8

Fit this bracket second, making sure that the spring fits and that both brackets are in line when the gate is closed and opened.



### Other possible mounting positions:

Dimension A	Dimension B
150mm	728mm
175mm	723mm
200mm	717mm
225mm	710mm



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Gas springs are charged with nitrogen gas and should be handled carefully - Please check our web site for further information