

# Application solution

# Gate closer 007

When there is a 40mm gap behind the gate/door.

Ref: App-Gate250-007.pdf  
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 Scale 1:4 - all dimensions in millimeters

## 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 close to the hinge, if there is a lot of friction in the hinge then you will need to start the closing movement manually.

## 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

**A video** of this setup with 100 newtons can be found on IGS Website:  
[http://www.industrialgassprings.com/uk/products\\_gates.asp](http://www.industrialgassprings.com/uk/products_gates.asp)

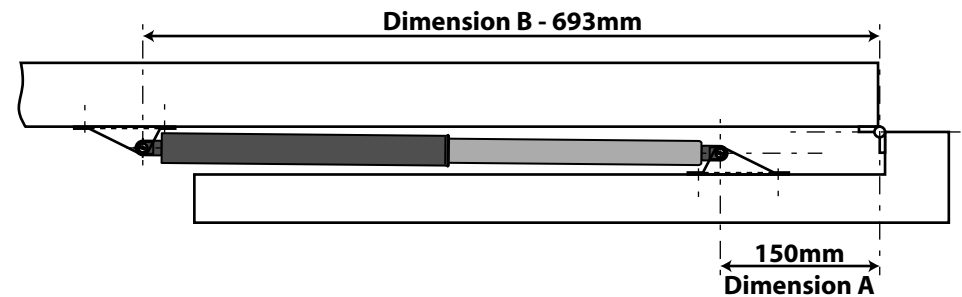
## ⌘ When there is some friction in the hinge

- 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.

Opening 90°



### Other possible mounting positions:

Dimension A	Dimension B
150mm	693mm
175mm	688mm
200mm	682mm

### Bracket FC-8

Fit this bracket first on the post as per the dimensions shown

Exact centre of hinge

693mm  
Dim B

40mm  
gap



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