

# Gate closer DIREKT

Closes doors and gates reliably and securely - as fast or slow as you wish



Video



Website

## CHARACTERISTICS

- Versatile use on gate leaves up to 1500 mm width and 100 kg weight (higher weights are often possible – please contact our advisory service)
- Perfect for retrofitting thanks to its multiple mounting accessories that allow many different installation possibilities
- Safe closing with continuous damping and no final latching action ensures protection of people
- Continuously adjustable closing speed

## MODELS AND ACCESSORIES

- **Size and closing force:** We offer models with different stroke lengths and closing forces to suit different door/gate sizes and weights. More details can be found under 'Selection Criteria'
- **Finish:** grey, anthracite, white, AISI 304, AISI 316
- **Special models** with ball and socket joint on both ends for gates with ascending hinges
- **Optional accessories:** To prevent users from changing the closing speed, there is an additional adjustment lock available

## FUNCTION

The gate closer DIREKT operates directly on the gate/door without the help of any lever. It is fixed with one end to the gate post or the door frame and with the other to the door or gate itself.

It operates similarly to a gas spring. When the gate is open, the piston rod of the gate closer is compressed and the pressure of the gas inside the gate closer acts on the piston. The piston rod extends and closes the door/gate. The cylinder of the gate closer contains hydraulic oil, which results in a controlled closing speed that is slowed down. By using nitrogen instead of a helical spring, much higher closing forces can be achieved. Thus the gate closer DIREKT always closes the door/gate reliably despite its small diameter.



## TECHNICAL DATA

Closing speed	steplessly adjustable
Closing force	depending on model/installation type approx. 10 - 60 Nm
Material piston rod	chrome-plated steel, AISI 304, AISI 316L
Material cylinder	zinc-plated steel coated anthracite/grey/white, AISI 304, 316L
Material protection tube	aluminium coated anthracite/grey/white, AISI 304, AISI 316L
Opening angle	max. 110°
Weight per door leaf	up to about 100 kg, depending on model, custom solutions on request
Size per door leaf	max. height approx. 2500, width approx. 750 - 1500 mm, custom solutions on request

## INSTALLATION



Installation video



Installation instructions DIREKT 150



Installation instructions DIREKT 200

## MODELS

### Gate closer DIREKT 150 & DIREKT 200 without ascending hinges

#### Stroke length:

- 150 mm stroke: the standard model for most situations\*
- 200 mm stroke: especially designed for wide gates or for those with hinges and posts in unusual positions.\*

\*For the selection of the appropriate stroke length, please refer to the section "Selection criteria"

#### Closing force:

- For smooth-running gates and doors that can latch into the lock without effort or that do not have a lock latch, a closing force of 400 N is enough
- If greater force is needed, then you should choose a model with 600 N
- With the help of an integrated valve, the closing force can be reduced on site by releasing gas - only if strictly necessary

#### Finish:



### Gate closer DIREKT for ascending hinges

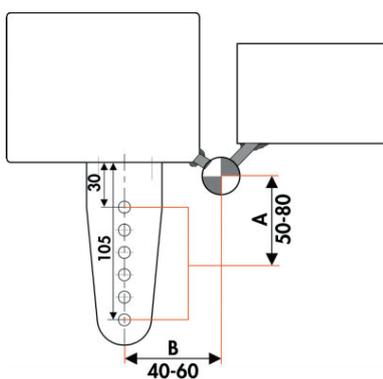
- Furnished with a ball and socket joint on each side and therefore slightly longer
- The mounting brackets have M8 threads for holding the threaded ends. In general, the same hinge distance as with the normal DIREKT 150 and DIREKT 200 must be observed
- It normally requires less force than the normal models, since the closing of the door is supported by its own weight due to the ascending hinges. The higher the gate ascends when opening and the heavier it is, the less closing force is required. Otherwise too much force would be needed to open. As a basic rule, if the door closes by itself without a gate closer, then the DIREKT with 100 N is the right solution.

## SELECTION CRITERIA

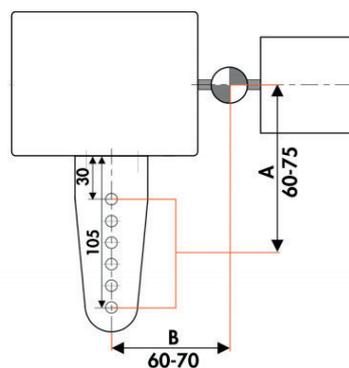
### Selecting the appropriate stroke length

**Step 1:** Check whether one of these hinge position applies to your application and whether the specified dimensions matches those of your door/gate.

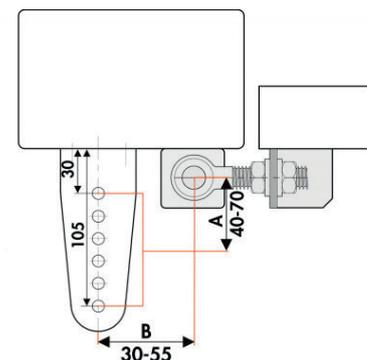
**Note:** For different installation situations, please, contact our technical customer service.



**Hinge position 1:** Fitting the DIREKT 150 to gates with hinges welded onto one side



**Hinge position 2:** Fitting the DIREKT 150 to gates with hinges fixed on the middle

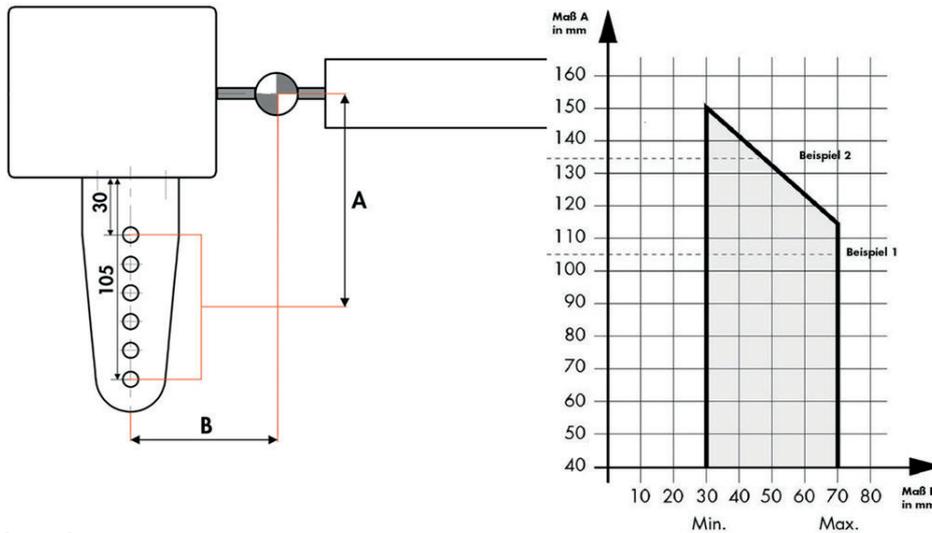


**Hinge position 3:** Fitting the DIREKT 150 to gates with adjustable hinges

### Step 2:

- If the dimensions in step 1 match your application, you can use the DIREKT 150
- If the dimensions in step 1 cannot be met, check whether you can use the DIREKT 200

**Note: The following drawing and the corresponding diagram for the DIREKT 200 are applicable to all hinge positions.** The crucial factor is the distance from the center of the hinge to the center of one of the holes in the mounting bracket (measure A & measure B).



Example 1: If measure A is 105, measure B can be 30-70 mm.

Example 2: If measure A is 135, measure B can be 30-45 mm.

**Step 3:**

- a) If the dimensions in step 2 match your application, you can use the DIREKT 200
- b) If the dimensions in step 2 cannot be met, contact our technical customer service. In many cases, we can still provide a solution

For the selection of the closing force, please refer to the section "Models". Would you like help choosing a door closer? We will gladly help you find a suitable model for your application. Simply fill in this questionnaire.



Questionnaire

**ACCESSORIES**

**Adjustment lock**

The adjustment lock prevents users from changing the closing speed. There are two versions available:



**Adjustment lock for DIREKT with eyelets:** The adjustment lock is slipped over the eyelet and secured with two headless screws. The pressure on the thumb wheel prevents its unauthorized turning.



**Adjustment lock for DIREKT with ball and socket joints (for ascending hinges):** Here it is not possible to simply slip the adjustment lock on top of the wheel. Therefore this adjustment lock consists of two parts, which can be clipped on from both sides, screwed together and secured with an extra screw.

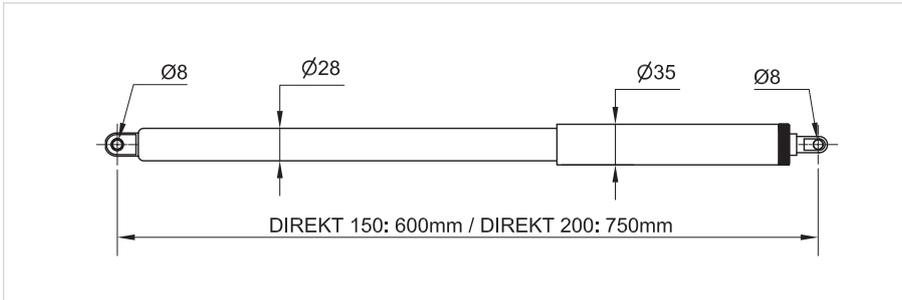
**Standard fixing accessories**



## DIMENSIONS

All dimensions in mm

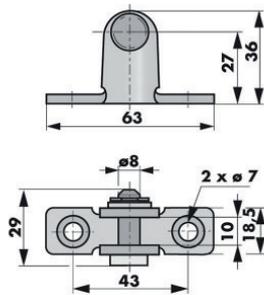
### Gate closer DIREKT 150 and DIREKT 200



### Dimensions of installation accessories

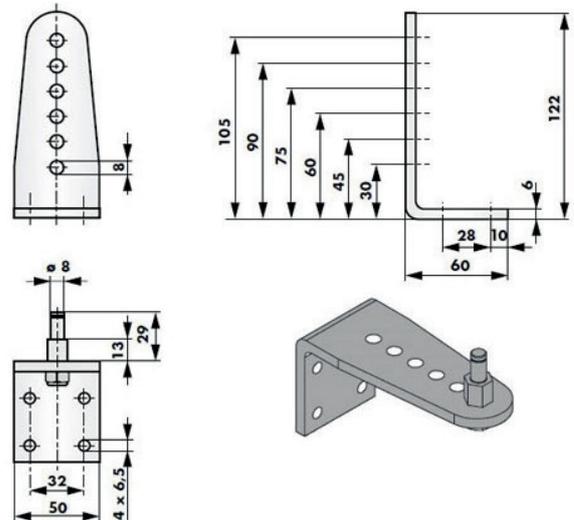
#### Gate bracket

- zinc-plated steel: part no. 205197
- AISI 304: part no. 205249
- AISI 316: part no. 205455



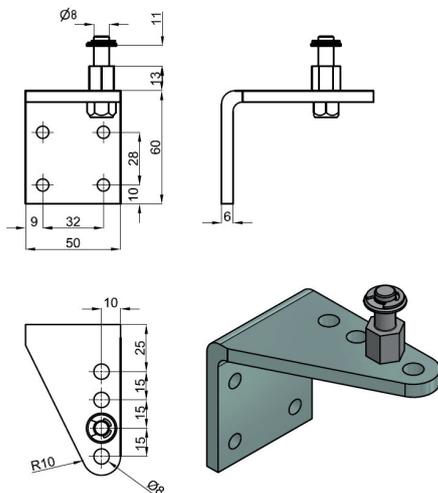
#### Post bracket

- zinc-plated steel: part no. 205450
- AISI 304: part no. 205451
- AISI 316: part no. 205454

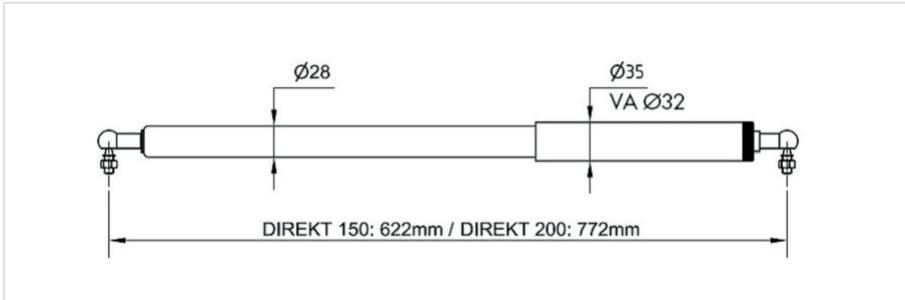


#### Special bracket for narrow posts

- zinc-plated steel: part no. 205533
- AISI 304: part no. 205534
- AISI 316: part no. 205535



Gate closer DIREKT 150 and DIREKT 200 for ascending hinges

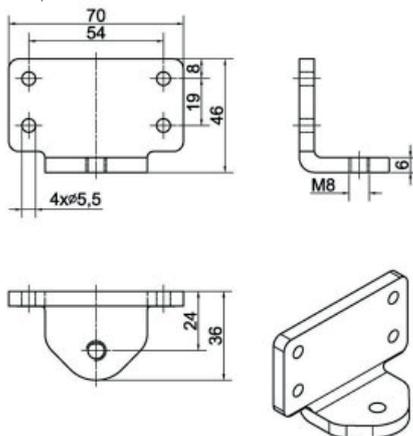


Mounting accessories DIREKT for ascending hinges

For fitting the DIREKT gate closer to gates with ascending hinges, especial mounting brackets with threads are required.

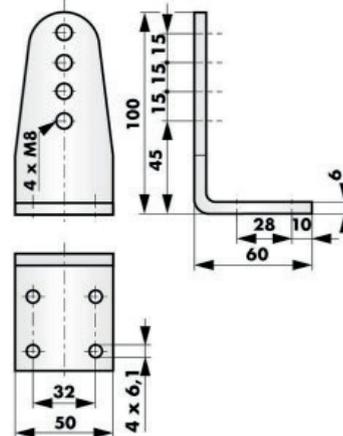
Special bracket for narrow posts

- zinc-plated steel: part no. 205449
- AISI 304: part no. 205459
- AISI 316: part no. 205458



Gate bracket

- zinc-plated steel: part no. 205452
- AISI 304: part no. 205453
- AISI 316: part no. 205457



**ORDER INFORMATION**

DIREKT gate closer 150 and 200 (without ascending hinges)	with fixing accessories - Part no.	without fixing accessories - Part no.
DIREKT II gate closer 150, 400 N, grey	392301-2	392311-2
DIREKT II gate closer 150, 400 N, anthracite	392300-2	392310-2
DIREKT II gate closer 150, 400 N, white	392302-2	392312-2
DIREKT II gate closer 150, 400 N, AISI 304	392400-2	392410-2
DIREKT II gate closer 150, 400 N, AISI 316L	392480	392481
DIREKT II gate closer 150, 600 N, grey	392309-2	392319-2
DIREKT II gate closer 150, 600 N, anthracite	392308-2	392318-2
DIREKT II gate closer 150, 600 N, AISI 304	392401-2	392411-2
DIREKT II gate closer 150, 600 N, AISI 316L	392484	392485
DIREKT II gate closer 200, 400 N, grey	392363-2	392373-2
DIREKT II gate closer 200, 400 N, anthracite	392364-2	392365-2
DIREKT II gate closer 200, 400 N, white	392367-2	392368-2
DIREKT II gate closer 200, 400 N, AISI 304	392463-2	392464-2
DIREKT II gate closer 200, 400 N, AISI 316L	392482	392483
DIREKT II gate closer 200, 600 N, grey	392366-2	392361-2
DIREKT II gate closer 200, 600 N, anthracite	392369-2	392370-2
DIREKT II gate closer 200, 600 N, AISI 304	392466-2	392460-2
DIREKT II gate closer 200, 600 N, AISI 316L	392486	392487

Accessories DIREKT gate closer 150 and 200 (without ascending hinges)	Part no.
Adjustment lock for DIREKT II gate closer with eyelet, aluminium, including screws	205406
Adjustment lock for DIREKT II gate closer with eyelet, AISI 316, including screws	205407
Mounting bracket, polished zinc-plated, pin 8 mm, washer and circlips	205197
Mounting bracket, AISI 304, pin 8 mm, washer and circlip	205249
Mounting bracket for post for gate closer DIREKT, zinc-plated, 122 x 50 mm, with fixing bolt, washer, nut and snap ring	205450
Mounting bracket for post for gate closer DIREKT, stainless steel, 122 x 50 mm, with fixing bolt, washer, nut and snap ring	205451
Mounting bracket for post for gate closer DIREKT, stainless steel AISI 316Ti, 122 x 50 mm, with fixing bolt, washer, nut and snap ring	205454
Mounting bracket, zinc-plated, for post, for gate closer DIREKT, 74 x 60 mm, with hexagonal fastening bolt, washer, nut and circlip	205533
Mounting bracket, AISI 304, for post, for gate closer DIREKT, 74 x 60 mm, with hexagonal fastening bolt, washer, nut and circlip	205534
Mounting bracket, AISI 316, for post, for gate closer DIREKT, 74 x 60 mm, with hexagonal fastening bolt, washer, nut and circlip	205535

DIREKT II gate closer for ascending hinges	with fixing accessories - Part no.	without fixing accessories - Part no.
DIREKT II gate closer 150, 100 N, grey	392323-2	392333-2
DIREKT II gate closer 150, 100 N, anthracite	392329-2	392339-2
DIREKT II gate closer 150, 100 N, white	392328-2	392338-2
DIREKT II gate closer 150, 100 N, AISI 304	392421-2	392431-2
DIREKT II gate closer 150, 100 N, AISI 316L		392490
DIREKT II gate closer 200, 100 N, grey		392383-2
DIREKT II gate closer 200, 100 N, anthracite		392384-2
DIREKT II gate closer 200, 100 N, white		392385-2
DIREKT II gate closer 200, 100 N, AISI 304		392469-2
DIREKT II gate closer 200, 100 N, AISI 316L		392493

Accessories DIREKT gate closer for ascending hinges	Part no.
Adjustment lock for DIREKT II gate closer with ball socket, aluminium, including screws	205408
Adjustment lock for DIREKT II gate closer with ball socket, AISI 316, including screws	205409
Mounting bracket 70 x 46 x 36 mm with M8 thread, for gate closer DIREKT for ascending hinges, zinc-plated	205449
Mounting bracket with M8 thread, for gate closer DIREKT for ascending hinges, stainless steel AISI 304	205459
Mounting bracket with M8 thread, for gate closer DIREKT for ascending hinges, stainless steel AISI 316	205458
Mounting bracket for post for gate closer DIREKT for ascending hinges, zinc-plated, 100 x 50 mm, washer, nut and snap ring	205452
Mounting bracket for post for gate closer DIREKT for ascending hinges, stainless steel, 100 x 50 mm, washer, nut and snap ring	205453
Mounting bracket for post for gate closer DIREKT for ascending hinges, stainless steel AISI 316, 100 x 50 mm, washer, nut and snap ring	205457