

## Dictator "DIREKT" Gate Closer For Access Gates in Boundary Fences

The Dictator gate closer DIREKT is the **economic** solution for the **controlled closing of outside gates**, such as admission gates to kindergartens, schools, industrial plants or just normal garden entrance doors. Unlike a normal closing spring the gate is not thrown shut. The gate closer DIREKT reduces the danger of injuries and accidents and prevents the gate from hitting the person just passing through the gate. The gate closer DIREKT always **closes the gate reliably**, which is for example very important in kindergartens, thus preventing the children from running out into the street.

It is as **easy to install** as a normal closing spring. But unlike the normal closing springs its **closing speed** can be **adjusted**.

Depending on the gate and the hinges you either use the **DIREKT 150** or the **DIREKT 200**.

The gate closer DIREKT can be installed on gates with normal, ascending and screw hinges.



### Technical Data

Material of the piston rod	chrome plated or stainless steel (AISI 304 or 316L)
Material cylinder/protection tube	black or white coated or zinc-plated steel, AISI 304, 316L
Opening angle	up to about 110°
Weight of the gate	up to ca. 100 kg, depending on chosen model
Size of the gate	height max. ca. 2500 mm, width ca. 750 - 1500 mm
Closing force	depending on the type of installation 10 - 60 Nm
Closing speed	continuous adjusting



## Operation and Application of the DIREKT

The gate closer DIREKT operates directly on the gate/door without the help of any lever. It is fixed on one side to the pillar or the door frame. Its other side is fixed to the door or gate. It operates similar to a gas spring. When the door is opened the piston rod of the gate closer is compressed. The pressure of the gas inside the gate closer now acts on the piston. The piston rod extends and closes the door/gate. As the cylinder of the gate closer also contains hydraulic oil, the closing speed is controlled and slowed down. By using nitrogen gas 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 dimensions.

## Selection Criteria

The DIREKT is available in two different lengths: with 150 and 200 mm stroke. Usually the DIREKT 150 will be the correct choice. The DIREKT 200 is especially designed for wide gates and disadvantageous hinge and pillar situations.

In general you can use the mounting accessories described on page 02.034.03.

For doors with ascending hinges we supply a special type of DIREKT with ball and socket joint on both ends. More details you will find on page 02.048.00.

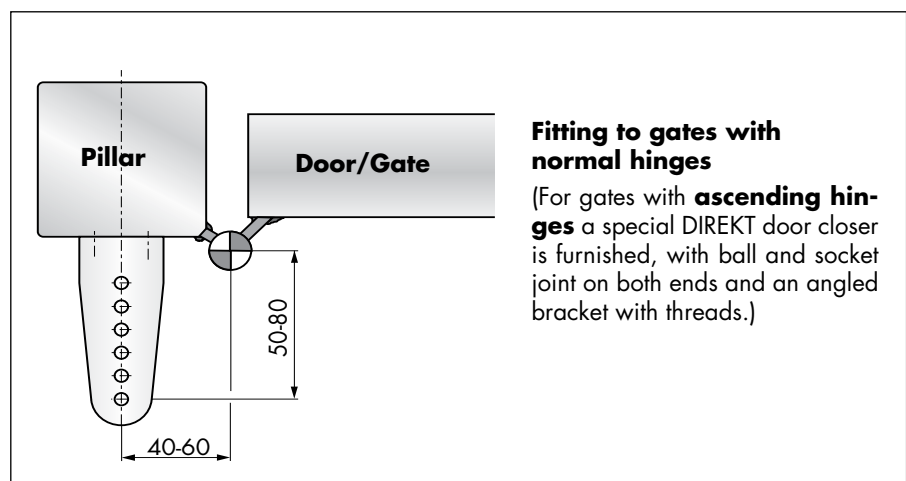
	DIREKT 150	DIREKT 200
Weight per gate leaf	up to ca. 80 kg	up to ca. 100 kg
Height per gate leaf	up to ca. 2500 mm	up to ca. 2500 mm
Width per gate leaf	ca. 750 - 1200 mm	ca. 750 - 1500 mm
Closing force*	ca. 10 - 25 Nm	ca. 10 - 60 Nm

\* depending on the installation and the type

To ensure the correct functioning of the DIREKT 150 and DIREKT 200, certain distances to the hinges have to be observed. These distances are determined by the kind of hinge, the possibility to fix the mounting bracket and the positioning of the gate leaf to the pillar.

## Dimensions to be Observed DIREKT 150

The following drawings show some typical hinge situations and their optimum installation measurements.



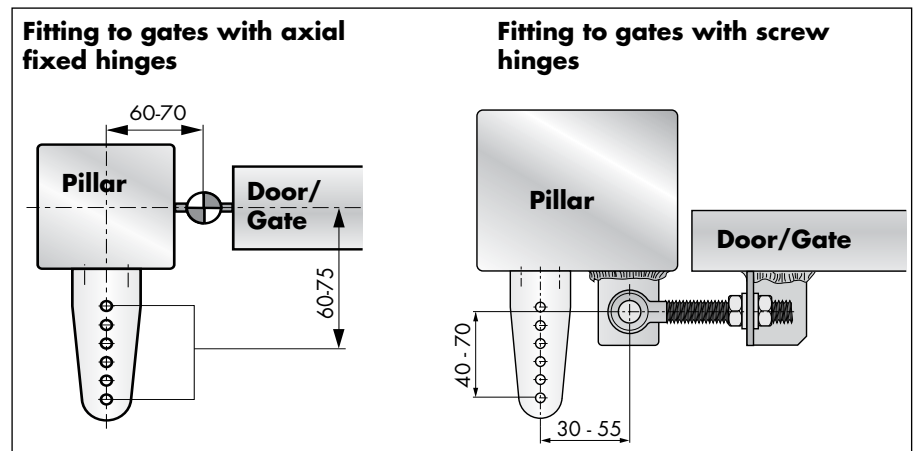
Continued on the following page



## Application of DIREKT 150 - cont.

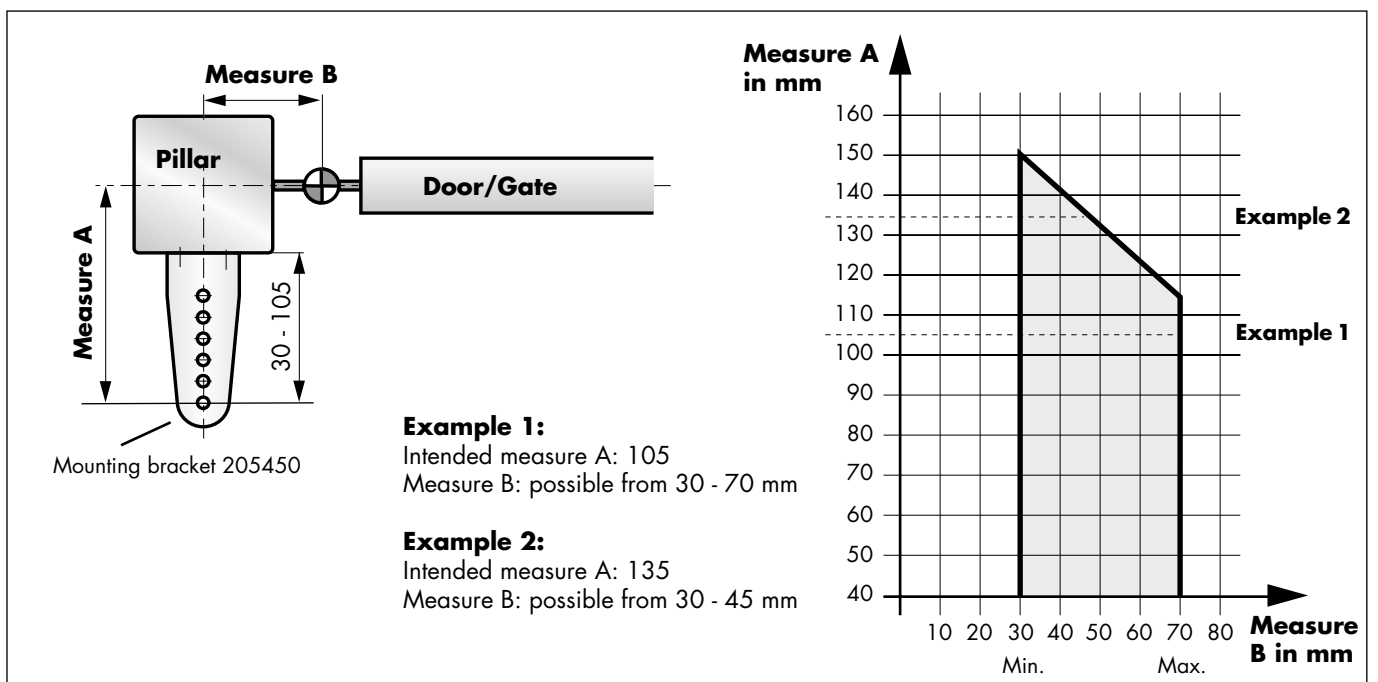
To ensure a sufficient closing force during the final closing process, the angle of the DIREKT to the closed door should be as advantageous as possible. This result is obtained by fitting the DIREKT to a hole of the mounting bracket as far away from the pillar as possible.

## Dimensions to be Observed DIREKT 150 - cont.



## Dimensions to be Observed DIREKT 200

The individual mounting measurements of the **DIREKT 200** depend on the geometry of the pillar and the used hinges. For checking if the DIREKT 200 will fit for your application, please measure the distance between middle of the bracket and the front edge of the pillar. To get the mounting measure A, please add the distance presumably necessary to the boring of the angled bracket no. 205450 (min. 30 mm, max. 105 mm). In case your mounting measure A is larger than in the diagram, the maximum opening angle will be reduced.



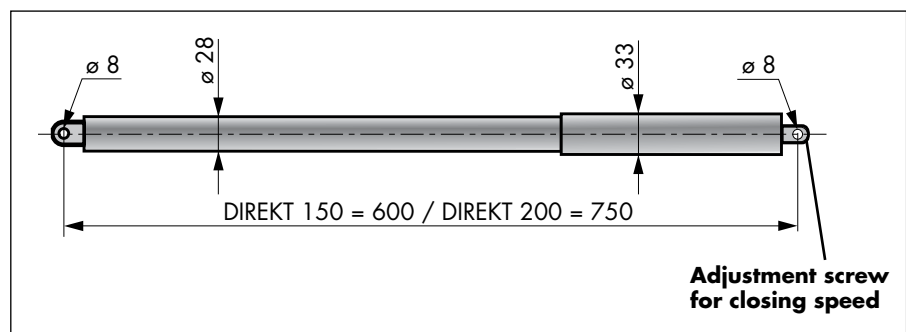


### Dimensions DIREKT, Order Information

The only difference between the door closers DIREKT 150 and DIREKT 200 is their length. Both types are available with different finishes and from stainless steel (AISI 304 and AISI 316L). The accessories are either zinc-plated or from stainless steel.

The door closers DIREKT are provided with diverse closing forces. For smooth-running doors, which easily fall shut or which do not have a latch, the closing force of 400 N is sufficient. You should choose the DIREKT with 600 N, if you have to push harder. In case the closing force is too high, it can be reduced on site by releasing some gas via the integrated valve.

### Dimensions DIREKT 150 /DIREKT 200



### Order Information

Type of gate closer DIREKT	with accessories* Part no.	without accessories Part no.
Gate closer DIREKT 150, 400 N, zinc-plated	392301	392311
Gate closer DIREKT 150, 600 N, zinc-plated	392309	392319
Gate closer DIREKT 150, 400 N, black	392300	392310
Gate closer DIREKT 150, 600 N, black	392308	392318
Gate closer DIREKT 150, 400 N, white	392302	392312
Gate closer DIREKT 150, 400 N, AISI 304	392400	392410
Gate closer DIREKT 150, 400 N, AISI 316L	392480	392481
Gate closer DIREKT 150, 600 N, AISI 304	392401	392411
Gate closer DIREKT 200, 400 N, zinc-plated	392363	392373
Gate closer DIREKT 200, 600 N, zinc-plated	392366	392361
Gate closer DIREKT 200, 400 N, black	392364	392365
Gate closer DIREKT 200, 400 N, stainless steel	392463	392464
Gate closer DIREKT 200, 600 N, stainless steel	392466	392460

Mounting accessories	zinc-plated	AISI 304	AISI 316L
Angled bracket for gate closer DIREKT	205264	205267	—
Angled bracket for slender pillars	205450	205451	205454
Bracket	205197	205249	205455

\*By default the DIREKT with accessories include the following parts:  
 DIREKT zinc-plated, black, white: one piece each of 205450 and 205197  
 DIREKT from AISI 304: one piece each of 205451 and 205249  
 DIREKT from AISI 316L: one piece each of 205454 and 205455



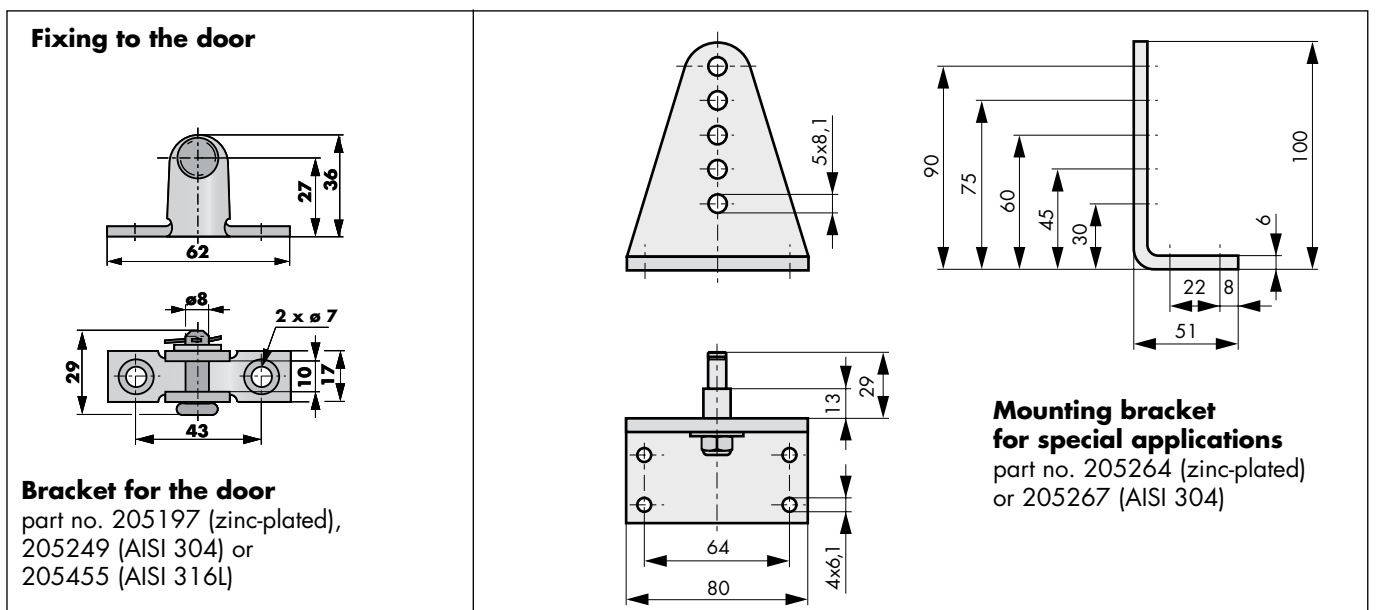
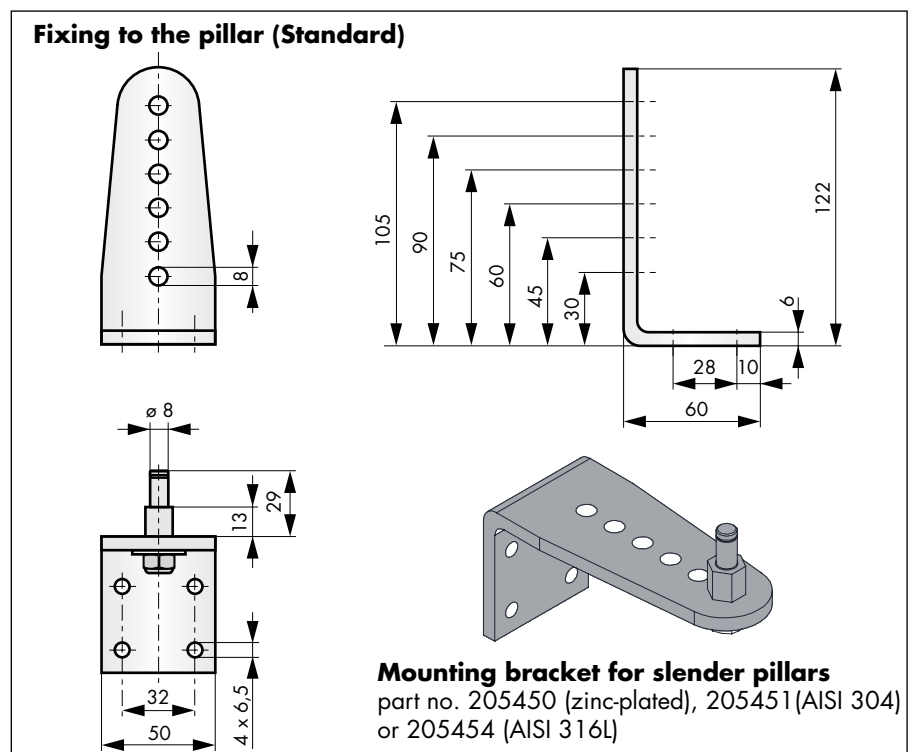
## Mounting Accessories

Usually the door/gate closer DIREKT is provided as a set, including the mounting accessories. In the following drawings you will find the dimensions. The special fixing accessories for DIREKT for ascending hinges you will find on the next page.

The mounting accessories are available in zinc-plated steel or stainless steel.

In addition to the standard mounting brackets DICTATOR also offers customised solutions. They are designed to exactly fit the respective pillars or constructions and guarantee the optimum functioning of the DIREKT also under special conditions. Please contact our technical service for help.

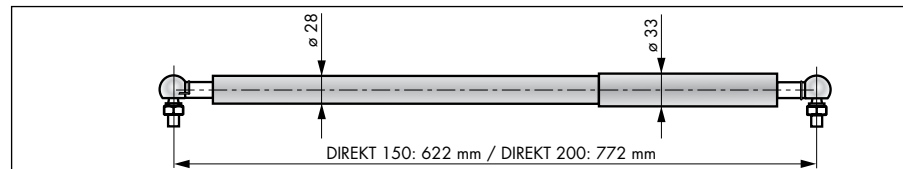
## Dimensions of the Mounting Brackets



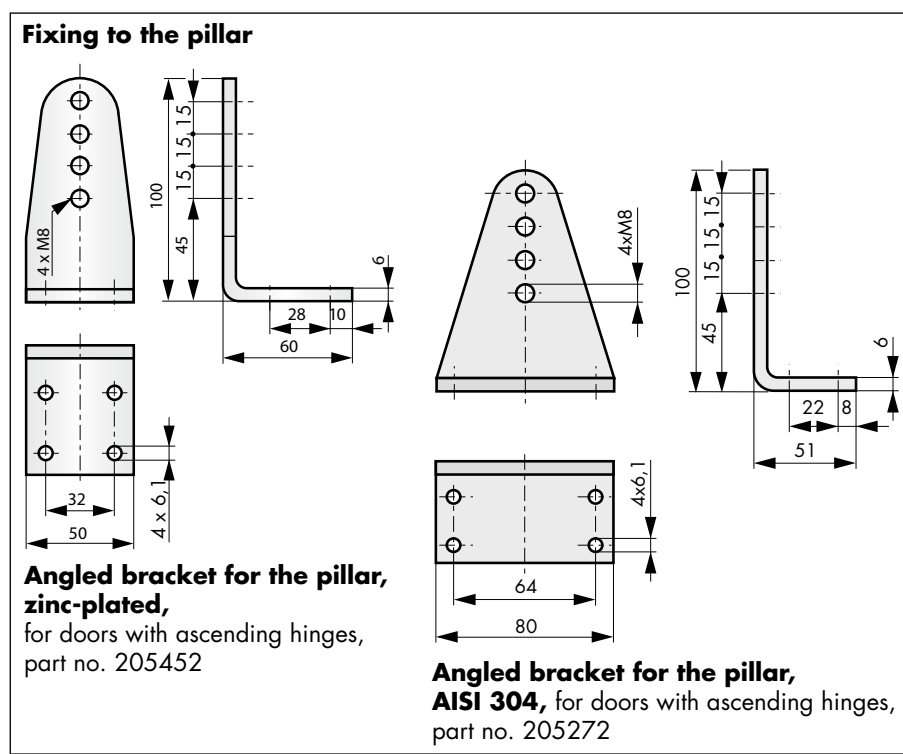
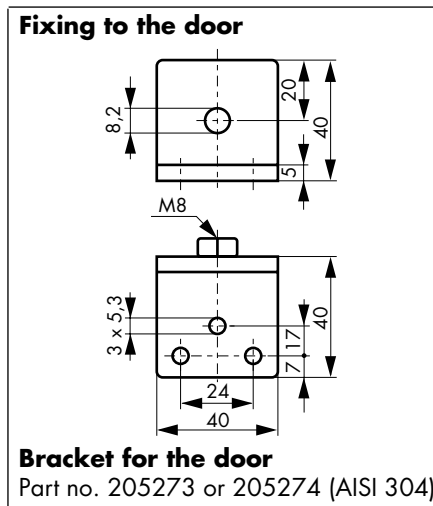


### Gate Closer DIREKT for Doors with Ascending Hinges

The gate closer DIREKT can also be installed on doors with ascending hinges. For this application, however, it is furnished with a ball and socket joint on each side and therefore is slightly longer. The mounting brackets have M8 threads for holding the threaded ends. In general the same installation distances apply as with the normal DIREKT 150 and DIREKT 200.



### Dimensions of the Mounting Brackets for Doors with Ascending Hinges



### Order Information

The necessary closing force is mainly influenced by the rise during opening and the weight of the door/gate. The higher these are, the lower the closing force has to be. Otherwise a very high force would be required for opening the door/gate.

Gate closer DIREKT for ascending hinges	with accessories* Part no.	without accessories Part no.
Gate closer DIREKT 150, 100 N, zinc-plated	392323	392333
Gate closer DIREKT 150, 400 N, zinc-plated	392321	392331
Gate closer DIREKT 150, 400 N, black	392320	392330
Gate closer DIREKT 150, 400 N, white	392322	392332
Gate closer DIREKT 150, 400 N, AISI 304	392420	392430
Gate closer DIREKT 200, 300 N, zinc-plated	---	392362
Gate closer DIREKT 200, 400 N, zinc-plated	392374	392375
Gate closer DIREKT 200, 300 N, AISI 304	---	392461
Gate closer DIREKT 200, 400 N, AISI 304	392467	392468

Mounting accessories	zinc-plated	AISI 304
Bracket, pillar, for ascending hinges	205452	205272
Bracket, door, for ascending hinges	205273	205274



## DICTATOR RTS Tube Door Closer

### The "Invisible" Door Closer

The DICTATOR RTS tube door closer is virtually invisible because being built into the door. The joint can only be seen when the door is open.

The DICTATOR RTS tube door closer is often used on **outside gates** such as garden entrance gates, admission gates into industrial plants. These gates usually do not have a frame above the door where the operating lever of a normal overhead door closer could be fitted. Furthermore the **concealed fitting** protects the door closer from atmospheric conditions and against **vandalism**.

This makes the RTS an ideal solution for admission gates into industrial plants with access control which have to close reliably (**Supply Chain Security**).

The tube door closer is particularly suitable for aluminium and steel doors/ gates. It can also be fitted into the profile of an existing door. For flush wooden doors with minimum 40 mm thickness, a tube door closer with special fitting plates can be supplied.

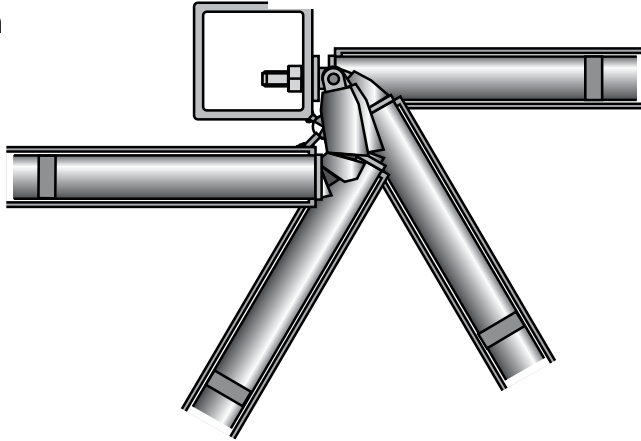
Due to its flexible abrasion-proof plastic joint, the RTS can be used with different hinges. Depending on the hinges, the doors/gates can be **opened to 180°**.



### Technical Data

Material	steel
Door opening angle	90° - 180°, depending on hinges
Door weight	up to ca. 80 kg
Door height	up to ca. 2500 mm
Width of door leaf	ca. 750 mm to 1150 mm
Types of doors	steel, aluminium and wood
Closing speed	adjustable

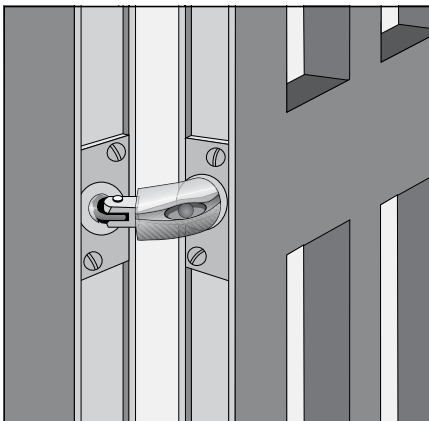
## Operation



The RTS tube door closer is inserted into the door and connected to the counter-plate (which is fixed to the frame) by an elastic joint with integrated steel ropes. When the door is opened the joint is pulled out and the closing spring inside the RTS is tensioned. The closing speed is controlled by the hydraulic damping cylinder in the middle of the tube door closer. It is adjustable and can therefore be adapted to suit different requirements.

## Installation Instructions

Fit the RTS tube door closer into the door, near one of the hinges if possible. With aluminium and steel doors it is usually fitted into the profile of the door. When fitting to wooden doors already existing, we recommend you mill a recess into the door (in the top or the bottom) into which the door closer can be placed. However, it is possible to fit the tube door closer anywhere in the wooden door. Fix the front plate of the door closer to the door (with wooden doors sink the front plate into the door. With steel or aluminium doors it may be necessary to provide reinforcement plates with threaded inserts). Make sure the long groove in the joint never points to the side of the door hinges (access to the adjusting screw).



Now fix the counter plate to the door frame at the same height and position as the front plate. Screw the self-locking eyelet with thread into the counter plate. The asymmetric eyelet balances out smaller differences in height between door closer and counter plate. The latch action can be adjusted by screwing the eyelet into the counter plate (latch action: eyelet enters about 15 to 17 mm into the front tube of the RTS - measured from the centre of the hole of the eyelet). **IMPORTANT:** The thread of the eyelet has a special self-locking coating which prevents the eyelet from turning any further 30 minutes after the eyelet has been screwed into the counter plate.

Now connect the bronze alloy fork to the eyelet with a bolt and secure it with the snap ring. We recommend you lubricate the bolt slightly as this prolongs its life considerably. Open the door completely and remove the securing pin from the joint. The door closer is now ready for operation. Should you ever need to remove the door closer or disconnect it from the counter plate, insert the securing pin back into the joint first!

## Adjusting the Closing Speed

To adjust the closing speed open the door between 45° and 90° and push the long arm of the hexagon socket screw key into the inclined boring of the plastic joint until the key clicks into place. One turn clockwise will increase the damping (slower closing speed) and turning anti-clockwise will reduce the damping (faster closing).

The closing speed should be checked after each half turn of the key (180°).

**IMPORTANT:** When the slowest closing speed has been reached (door almost stops), do not continue turning the adjusting key clockwise as this will damage the door closer.

## Handling Instruction:

**Never push the door closed!** There is the risk that the joint buckles and gets damaged.

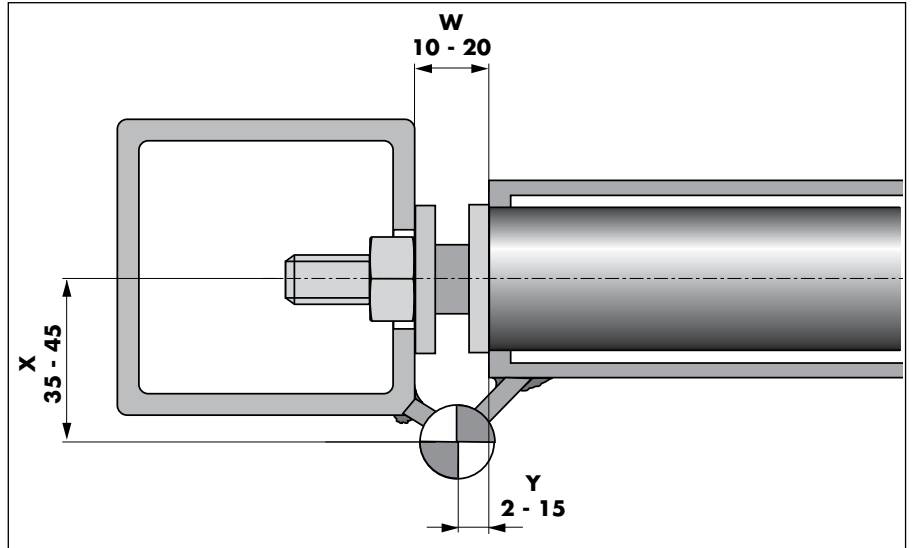


## Installing the RTS Tube Door Closer Important Hinge Dimensions

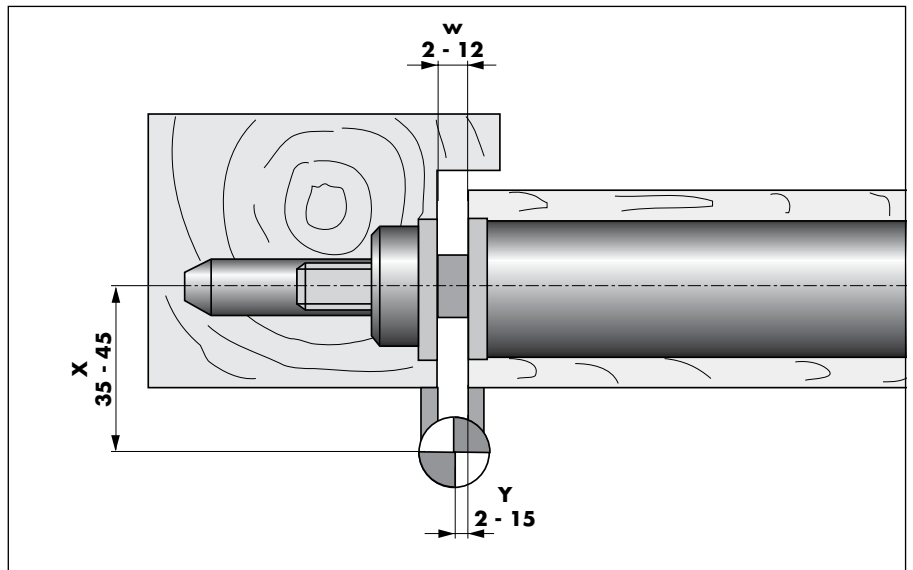
### Installing in Aluminium and Steel Doors

**Warning:**

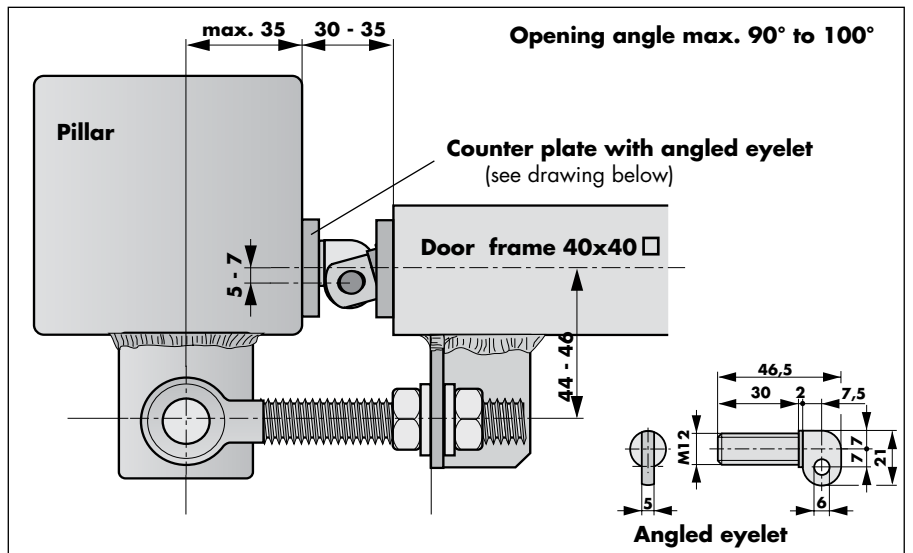
Dimensions W, X and Y must be observed! Otherwise the opening angle, latch action and closing will be affected.  
If you have any queries, please contact our Advisory Service.



### Fitting to Flush Wooden Doors



### Fitting to Access Doors and Gates in Fences with Screw-Hinges (WARNING: Use Angled Eyelet!)





### RTS - d and RTS - e Tube Door Closers

DICTATOR RTS - d and RTS - e tube door closers are designed for steel and aluminium doors. Their front plate is fixed to the door with two M8-screws. The RTS - d and RTS - e only differ in the position of the holes on the front plate. Due to its fixing holes the RTS - e can be used in place of the GEZE ROR TS 450 tube door closer .

With aluminium doors the door closer is usually fitted into the bottom profile of the door; in steel doors it is either fitted into the top or bottom profile.

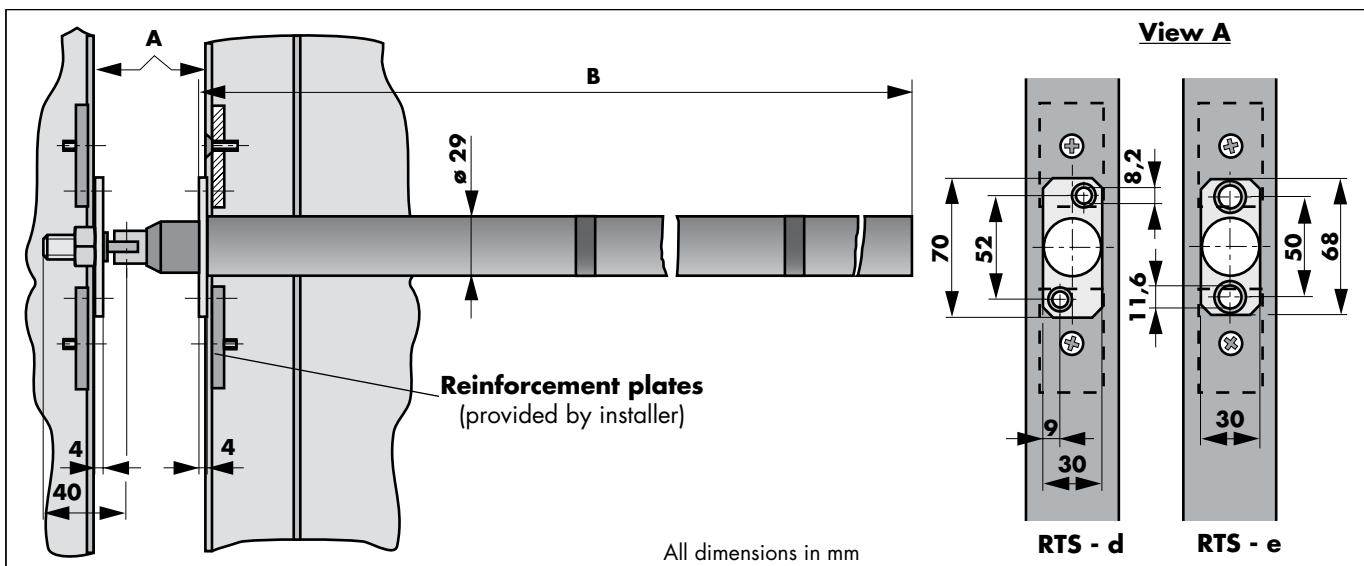
In case it is not possible to install the door closer RTS - e into the door there is a casing available to mount this RTS onto the door. For further information see page 02.041.00.

### Technical Data

Model	400520	400529*
Length (dimension B)	734 mm	734 mm
Opening angle	180° (max.)	180° (max.)
Width of door leaf	750 - 1150 mm	750 - 1150 mm
Height of door leaf	up to 2500 mm	up to 2500 mm
Weight of door leaf	up to 80 kg	up to 80 kg
Dimension X of hinges	35 - 45 mm	35 - 45 mm
Opening direction	both DIN right and DIN left	

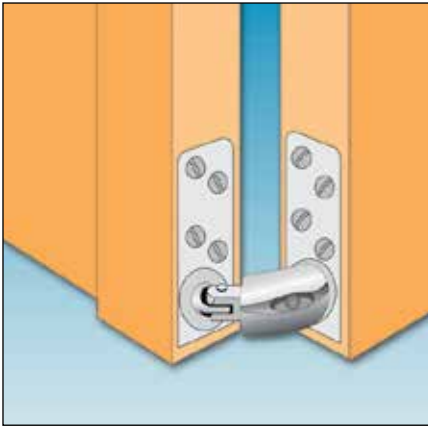
\* Front plates correspond to those of the GEZE ROR TS 450

### Dimensions



### Order Information

RTS - d tube door closer	part no. 400520
RTS - e tube door closer	part no. 400529



### RTS - t and RTS - u Tube Door Closers

DICTATOR RTS - t and RTS - u tube door closers are equipped with a single-sided front plate. They are designed for fixing to either the top or bottom of the door.

In steel doors the thread for the fixing screws can usually be cut directly into the door. Should this not be possible, threaded inserts need to be riveted to the door. With aluminium doors, reinforcement plates should be inserted.

RTS - t and RTS - u tube door closers only differ in the position of their adjustment groove in the joint. It is therefore important when choosing RTS - t or RTS - u tube door closers to observe the fitting position (at the top or bottom) and the DIN-opening direction of the door.

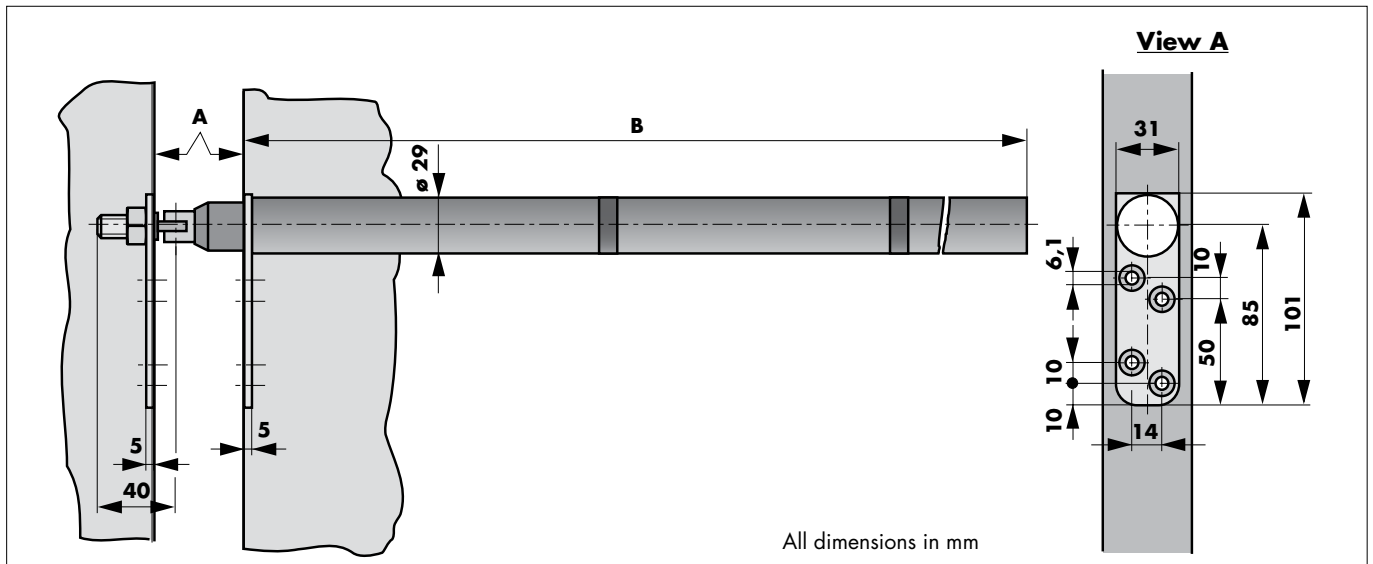
### Technical Data

Model	400525	400526
Length (dimension B)	734 mm	734 mm
Opening angle	180° (max.)	180° (max.)
Width of door leaf	up to 1150 mm	
Height of door leaf	up to 2500 mm	
Weight of door leaf	up to 80 kg	
Opening direction		
Fitted at the top	DIN left	DIN right
Fitted at the bottom	DIN right	DIN left

#### ATTENTION:

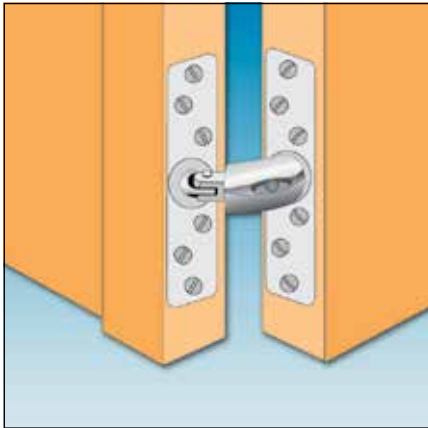
With wooden doors the door closer can only be fitted to flush doors!

### Dimensions



### Order Information

RTS - t tube door closer	part no. 400525
RTS - u tube door closer	part no. 400526



**RTS - v Tube Door Closer**

DICTATOR RTS - v tube door closers are specifically designed for flush wooden doors, which are fitted with the tube door closer during manufacture.

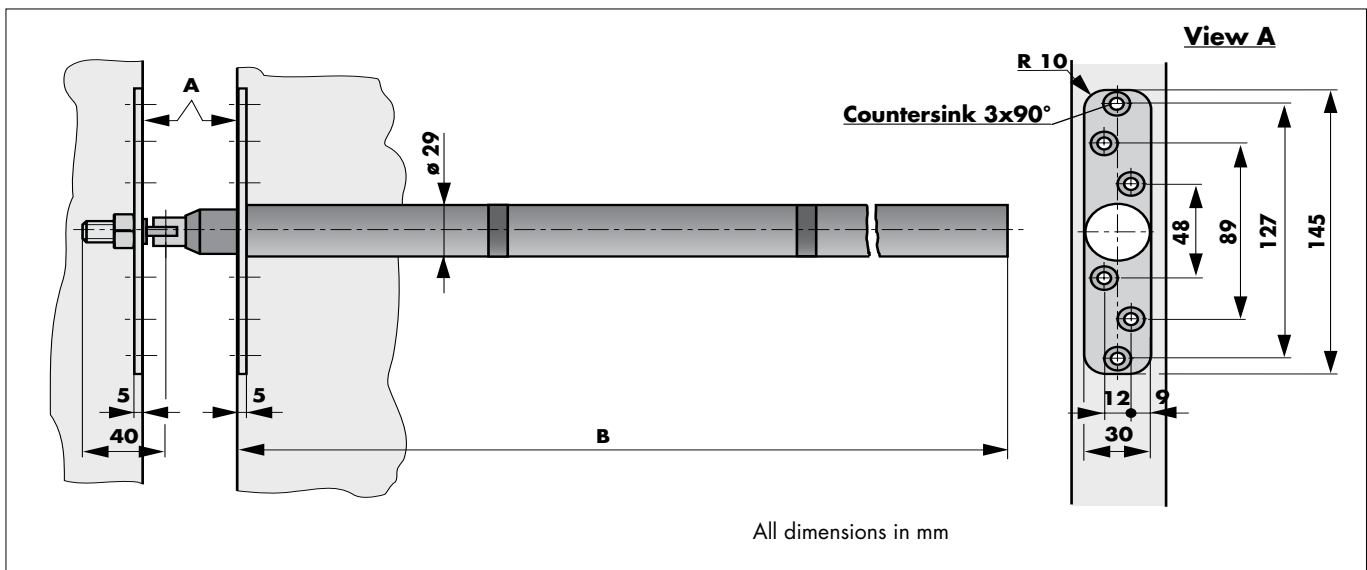
Although the tube door closer can be fitted in any position, we recommend you fit it at the centre point between the hinges. This will reduce stress on the hinges and door.

**Technical Data**

**ATTENTION:**  
The RTS - v tube door closer can only be used on flush doors!

Model	400527
Length (dimension B)	734 mm
Opening angle	180° (max.)
Width of door leaf	up to 1150 mm
Height of door leaf	up to 2500 mm
Weight of door leaf	up to 80 kg
Opening direction	DIN left and right

**Dimensions**



**Order Information**

RTS - v tube door closer	part no. 400527
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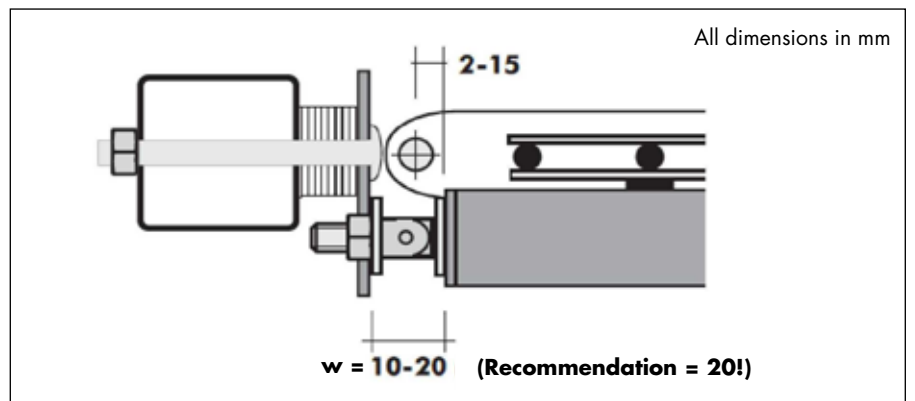


## Casing for Surface Installation of the RTS - e

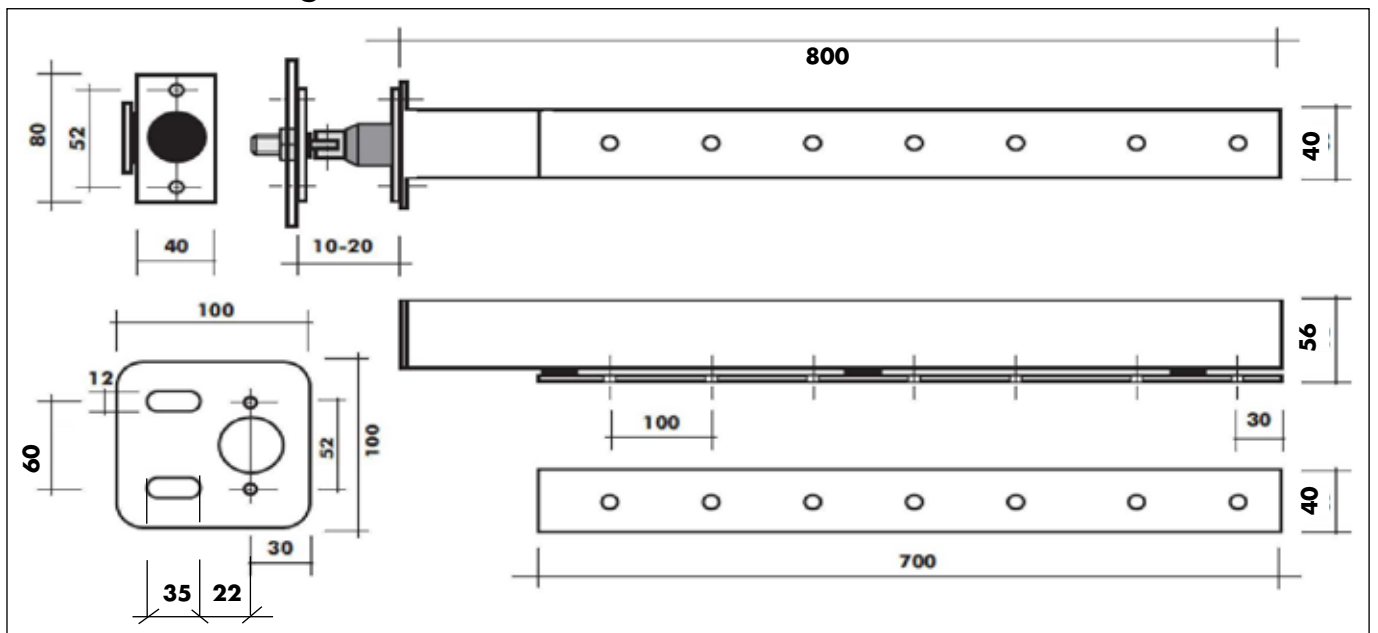
This casing has been developed to allow the installation of the door closer RTS - e, part no. 400529, also on doors with flush hinges or without tube frame profile. It also facilitates retrofitting. As long as the measurements shown below are observed, this casing permits to mount the RTS - e on all kinds of doors. With steel doors the casing can be welded onto the door already in production. The same applies to the mounting plate on the jamb.

Very important is that you observe the measurements given below. Depending on the alignment of the hinges the doors can be opened up to 180°. By default the casing is zinc-plated. On demand, larger quantities can also be furnished with powder coat.

## Important Hinge Dimensions



## Dimensions Casing



## Components Included

Casing for surface installation

Fixing plate with screws

Mounting plate for the jamb with screws and washers

## Order Information

Casing for surface installation of RTS - e (400529)

part no. 400594

