



TS 92  
TS 91

# The universal closers for standard doors – Tested and approved to EN 1154

As units designed especially for interior applications, the TS 92 and TS 91 door closers constitute the perfect complement to the dormakaba TS 93 cam-action door closer system. They likewise come in the Contur design and, thanks to their linear drive mechanism with heart-shaped cam, they offer the same ease of use. Moreover, their competitive pricing combined with their outstanding level of assured quality make them particularly attractive from an economic standpoint as well.

Certified to ISO 9001

### Plus points

#### For the trade

- Inexpensive cam-action technology for standard interior doors.
- Low storage costs and reduced inventory requirement thanks to uniform slide channels of the Contur series.

#### For the fabricator

- Non-handed.
- Easy to fix and quickly adjustable.

#### For the architect/specifier

- Excellent value for money.
- Uniform appearance throughout the entire Contur slide channel range.

#### For the user

- Exceptional ease of use and fully controlled closing action.
- Optimum adaptability of the closing speed with reliable latching thanks to two regulating valves.

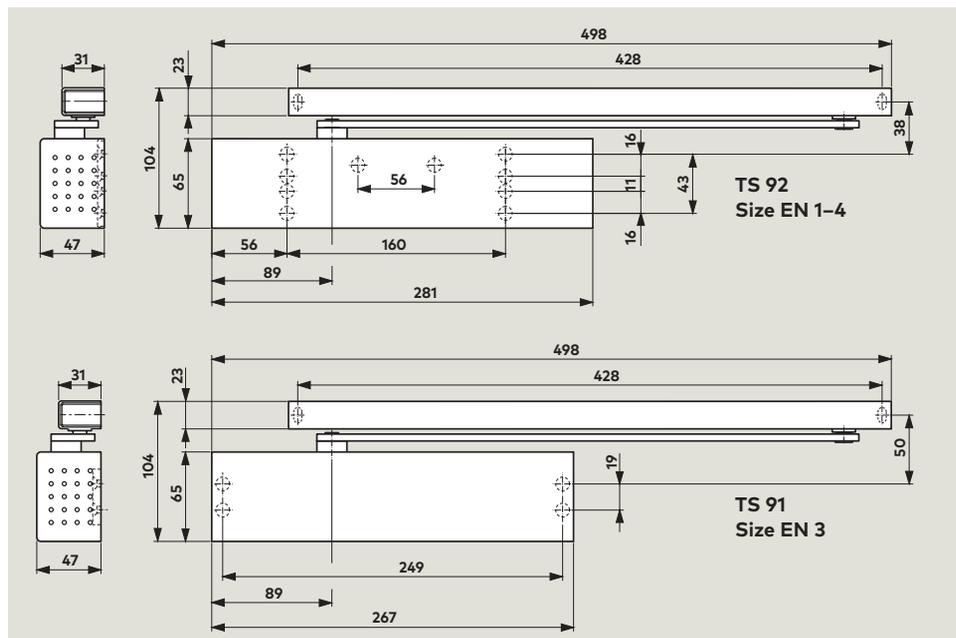
Data and features		TS 92 B/G <sup>1)</sup>	TS 91 B
Closing force Adjustable	Size	EN 1–4 ●	EN 3 –
Standard doors <sup>2)</sup>	≤ 950 mm	–	●
	≤ 1100 mm	●	–
External doors, outward opening <sup>2)</sup>		–	–
For fire and smoke check doors		●	●
Non-handed design		●	●
Arm assembly type	Slide channel	●	●
Closing speed and latching action independently adjustable at two separate valves	180°–15°	●	●
	15°– 0°		
Cushioned limit stay, mechanical		○	○
Backcheck		–	–
Delayed action		–	–
Hold-open		○	○
Weight in kg		2,0	1,9
Dimensions in mm	Length	281	267
	Overall depth	47	47
	Height	65	65
Door closer tested to EN 1154		●	●
CE mark for building products		●	●

● yes – no ○ optional

- <sup>1)</sup> B = Standard model for pull-side door leaf fixing  
G = Special model for push-side door leaf fixing/pull side transom fixing
- <sup>2)</sup> For particularly heavy doors and doors which have to close against wind resistance, we recommend the standard TS93.

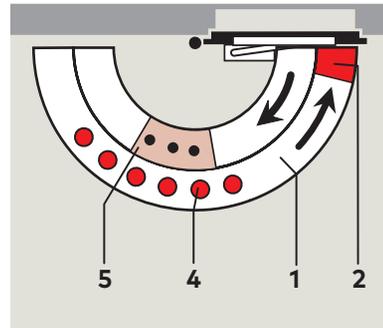
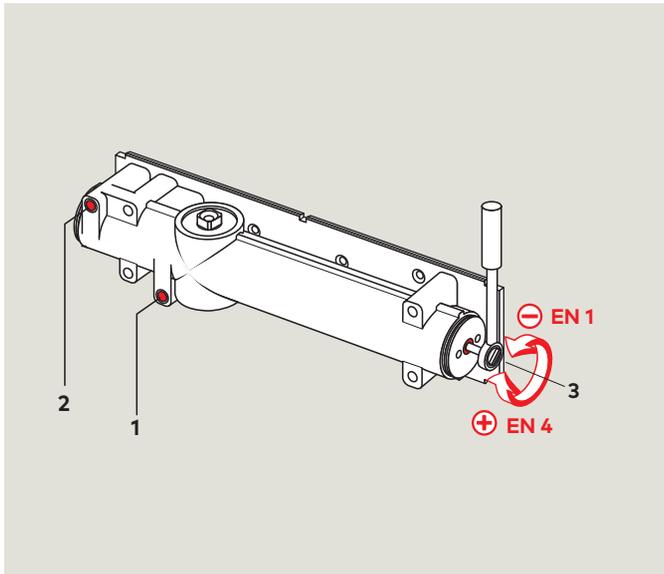


The TS 92/TS 91 complies with the requirements and/or recommendations of the following: CERTIFIRE approved for fire doors ITT 120, MM/IMM 240; Ref. CF 119



## Standard and optional functions

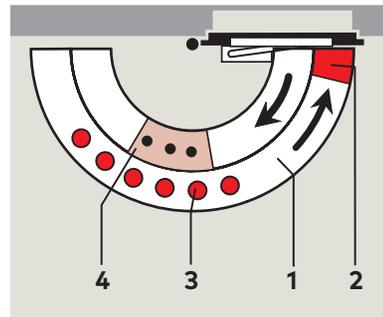
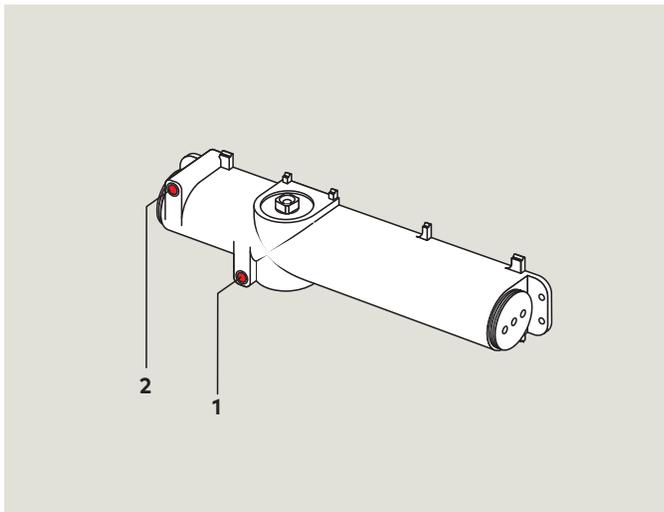
### TS 92 B/G



The **closing speed** of the TS 92 is individually adjustable over two independent ranges at two separate valves. The **closing force setting (spring strength)** for the relevant door width is adjusted with the TS 92 at an infinitely variable lateral adjustment screw.

- 1 Variable closing speed in the range 180°–15°
- 2 Variable latching speed in the range 15°–0°
- 3 Infinitely variable closing force
- 4 Hold-open (option)
- 5 Cushioned limit stay (option)

### TS 91 B



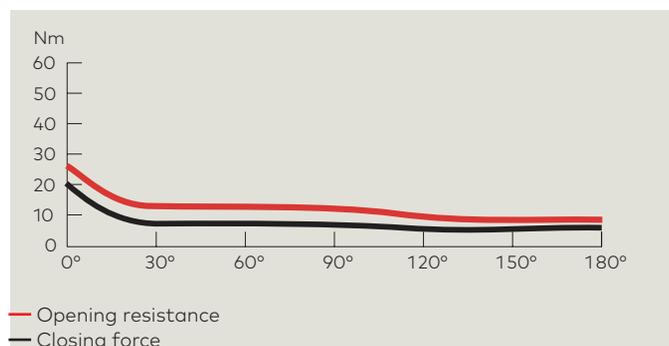
The **closing speed** of the TS 91 is individually adjustable over two independent ranges at two separate valves. The **closing force (spring strength)** in the TS 91 is permanently set to size EN 3.

- 1 Infinitely variable closing speed in the range 180°–15°
- 2 Infinitely variable latching speed in the range 15°–0°
- 3 Hold-open (option)
- 4 Cushioned limit stay (option)

### Force profile

TS 92 B

Closing force setting: size EN 3

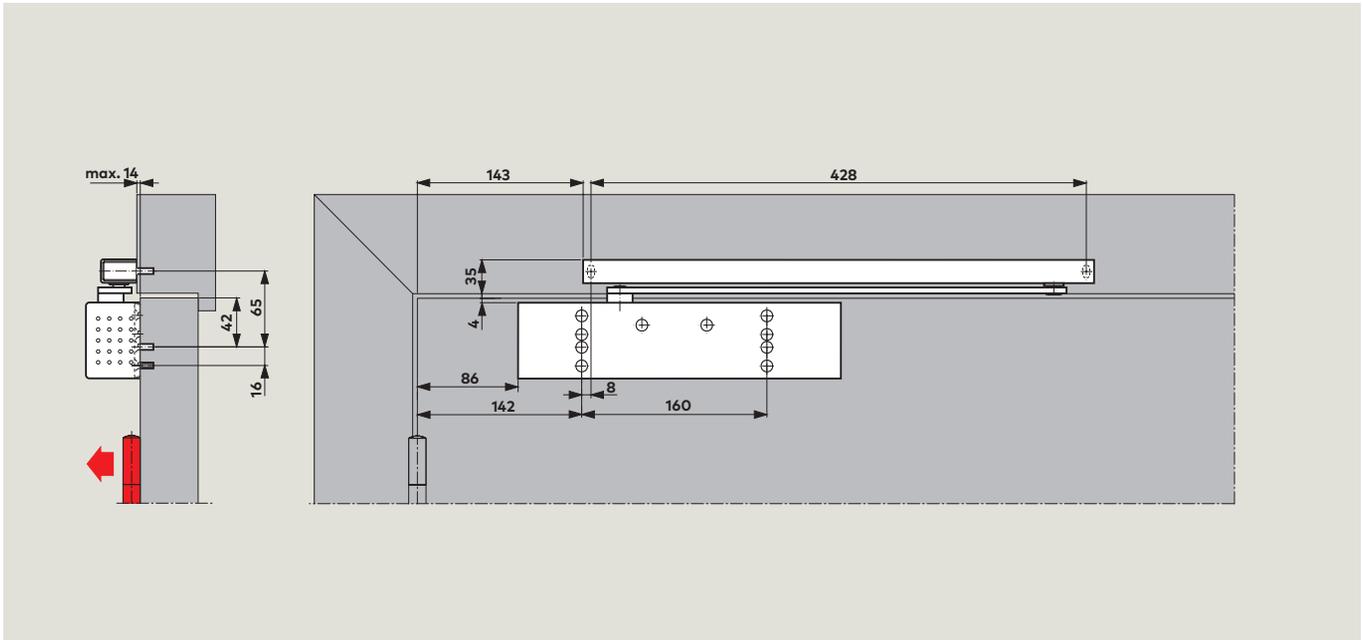


The heart-shaped cam and the linear drive mechanism which characterise all dormakaba cam-action door closers produce a rapidly decreasing opening torque, so greatly reducing the amount of effort required.

This means that even children, the elderly and the disabled can open doors with ease.

The user-friendliness of the system is further enhanced by the reliable latching action achieved by the fact that the closing force only rises in the end phase of the cycle.

## TS 92 B Door leaf fixing, pull side

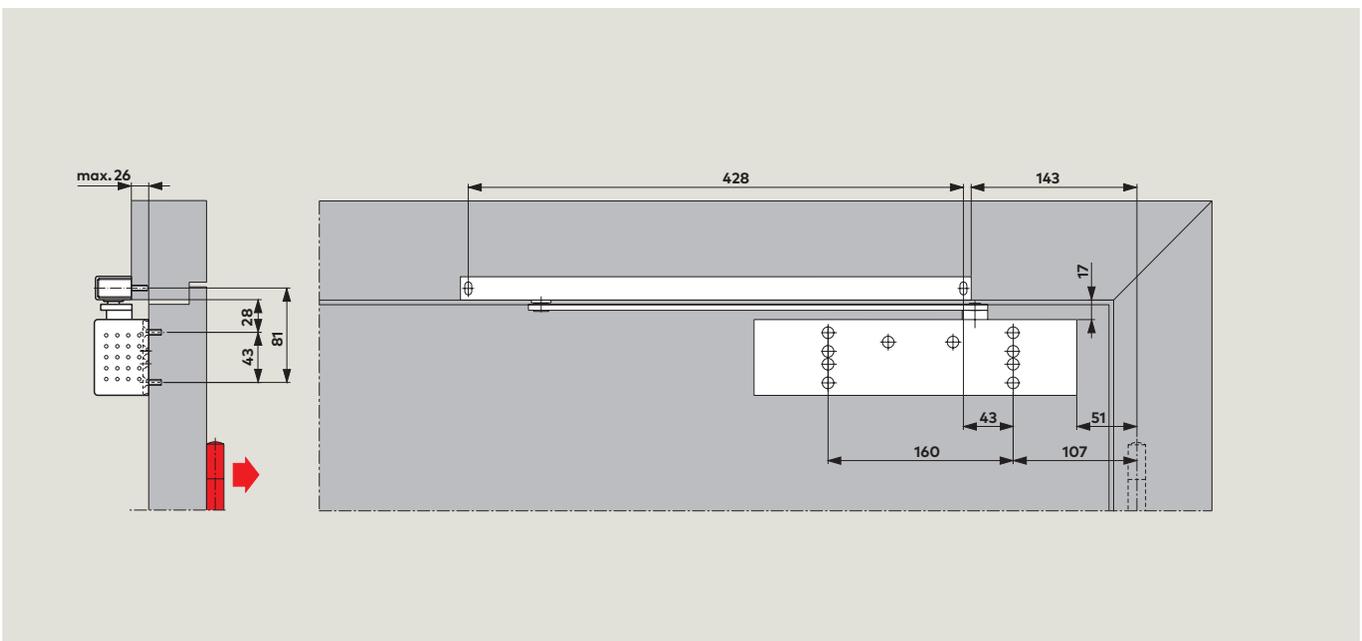


(example shows LH [ISO 6] door; RH [ISO 5] doors mirrored arrangement)

Provided the structural conditions allow, an opening angle of 180° is possible with this method of fixing.

In most cases, however, a wall recess will have to be provided for the door closer.

## TS 92 G Door leaf fixing, push side



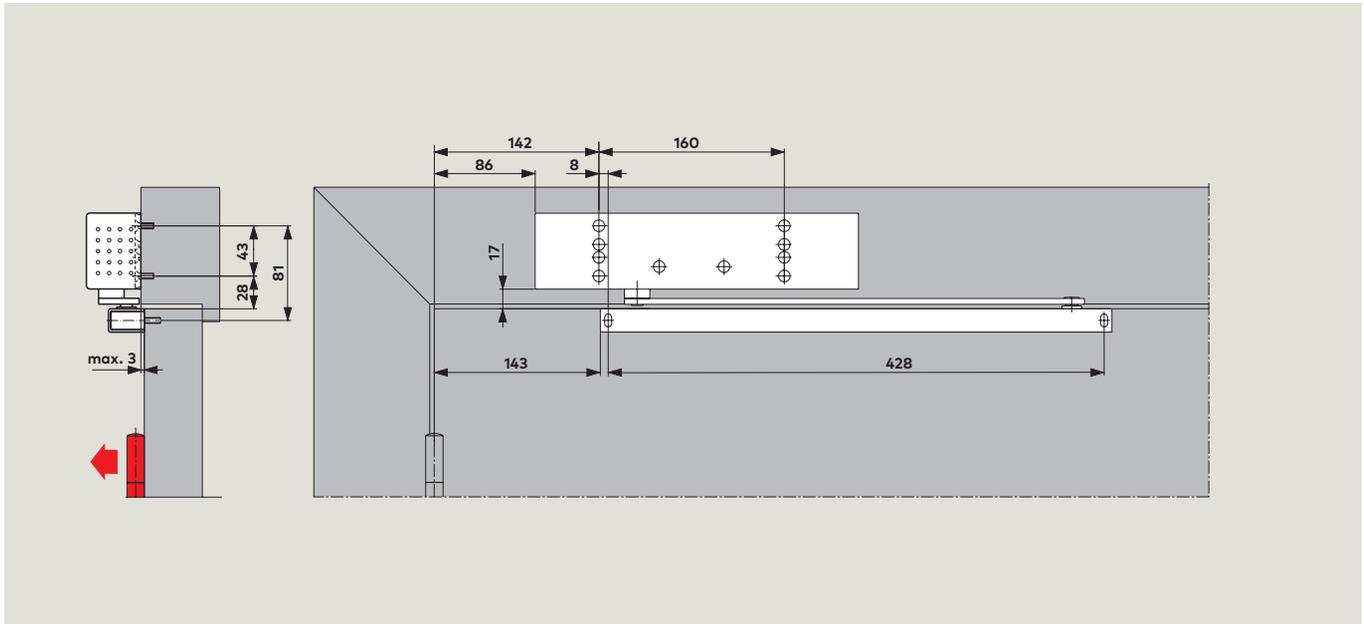
(example shows LH [ISO 6] door; RH [ISO 5] doors mirrored arrangement)

Depending on the structural conditions, the door opening angle with this method of fixing is limited to approx. 120° to 145°.

In order to avoid damage to the door or door closer, users are recommended to install a cushioned backstay or a door stop.

**A door stop must be installed in the case of fire and smoke check doors.**

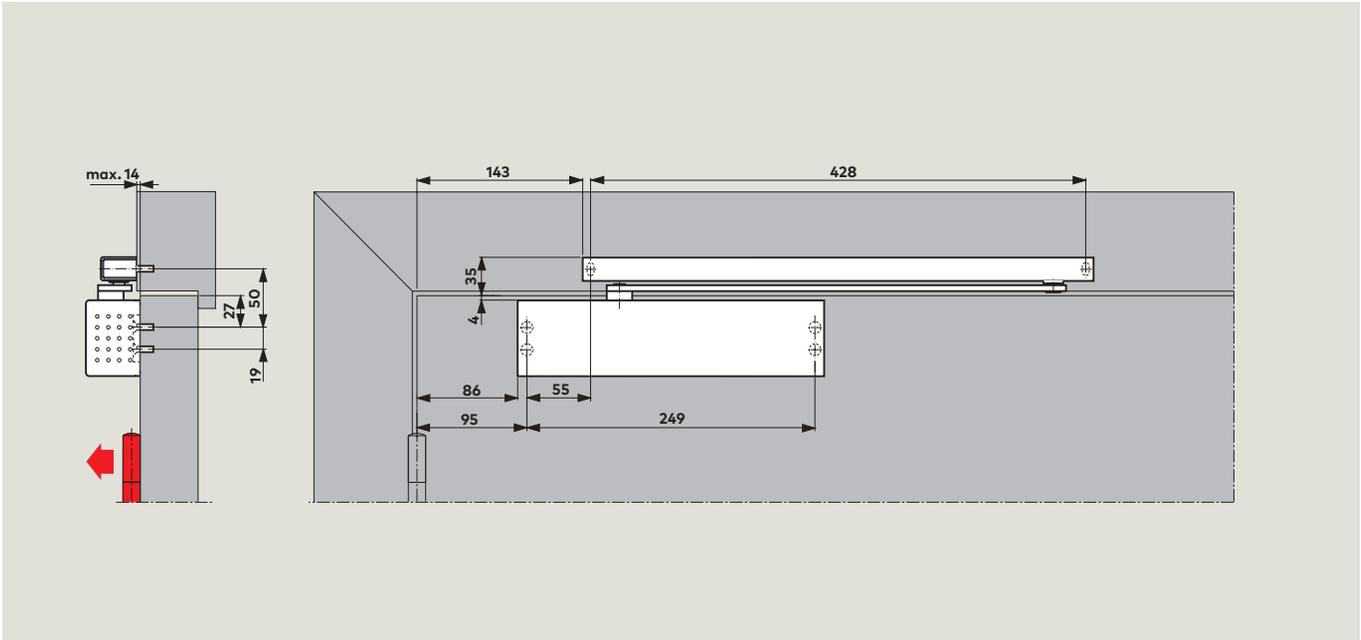
## TS 92 G Transom fixing, pull side



(example shows LH [ISO 6] door; RH [ISO 5] doors mirrored arrangement)

Provided the structural conditions allow, an opening angle of 180° is possible with this method of fixing.

## TS 91 B Door leaf fixing, pull side

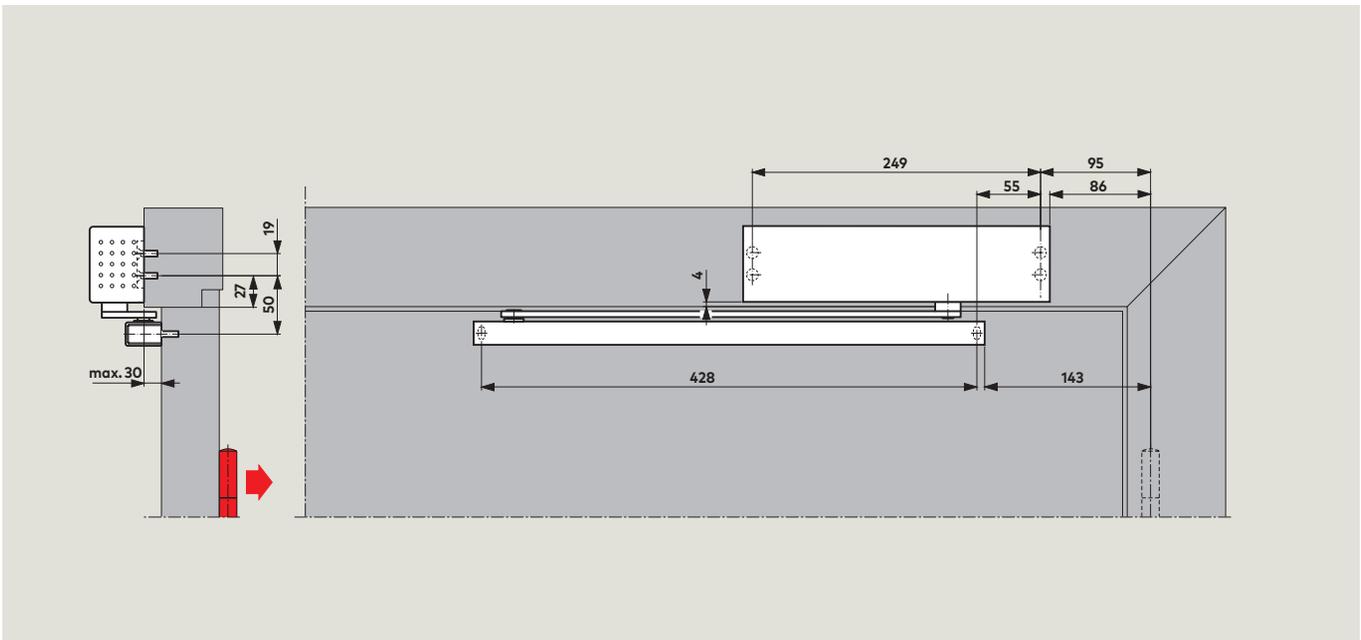


(example shows LH [ISO 6] door; RH [ISO 5] doors mirrored arrangement)

Provided the structural conditions allow, an opening angle of 180° is possible with this method of fixing.

In most cases, however, a wall recess will have to be provided for the door closer.

## TS 91 B Transom fixing, push side

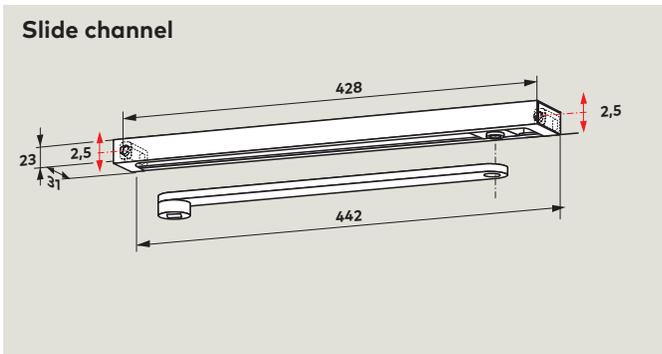


(example shows LH [ISO 6] door; RH [ISO 5] doors mirrored arrangement)

Depending on the structural conditions, the door opening angle with this method of fixing is limited to approx. 120° to 145°.

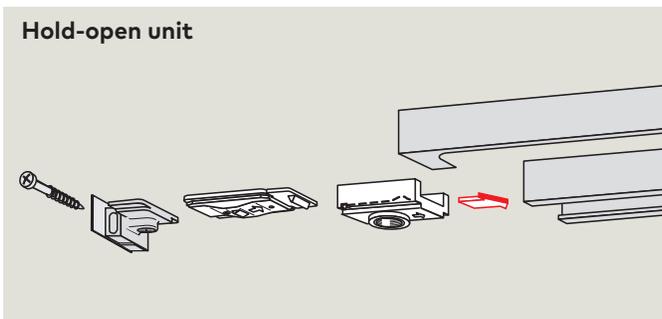
In order to avoid damage to the door or door closer, users are recommended to install a cushioned backstay or a door stop.

## Slide channel



The **G-N** slide channel assembly comprises the main arm, slide channel, slide block, fixings, screws and end caps. The G-N slide channel is non-handed and can be combined with both door closers.

Thanks to oblong holes in the fixing pads, it is possible to compensate for deviations in the drill hole pattern and to keep the door closer body and slide channel perfectly parallel.

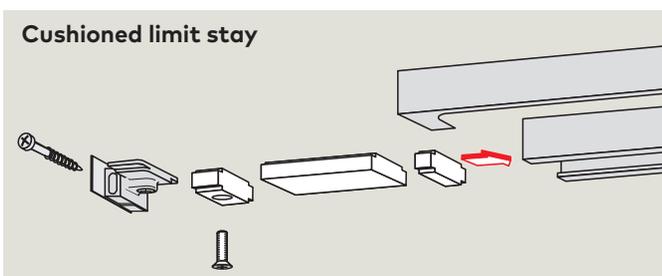
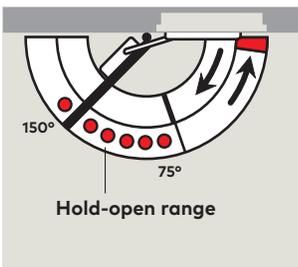


The **RF** mechanical hold-open unit ensures that doors are held open at precisely the correct angle – up to approx. 150° – without any fallback.

The hold-open unit can be switched on and off by the user as required, and the pull-off force can be adjusted to suit each individual door situation.

The RF hold-open unit is non-handed and can also be supplied for retrofitting to the slide channel at a later date.

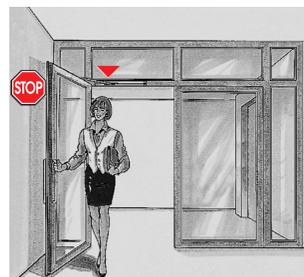
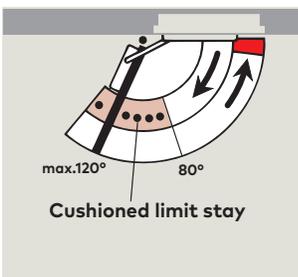
**Not for fire and smoke check doors.**



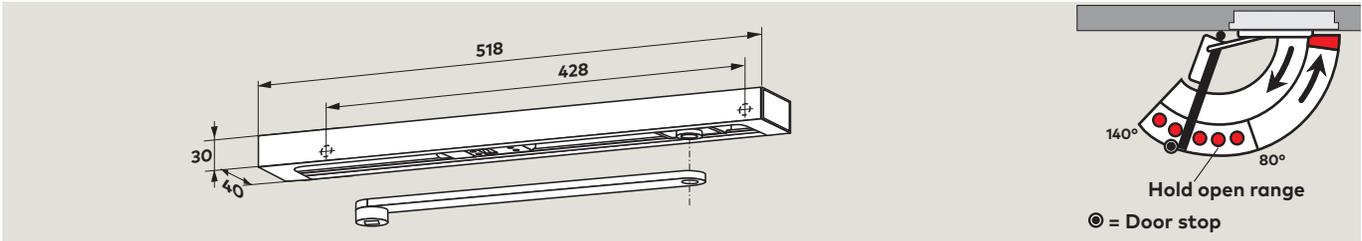
Cushioned limit stay simply slides into the slide channel. Adjustable between 80° and max. 120°. Also suitable for retrofitting.

Fitting a cushioned limit stay prevents doors which are opened normally from impacting against adjacent walls.

**The cushioned limit stay is not an overload protection device and in many applications will not be a suitable substitute for a door stop.**



## G-EMF slide channel with electro-mechanical hold-open



The **G-EMF** slide channel assembly enables the door to be held open securely at a preselected position without fall-back. The hold-open point can be adjusted within an opening angle of approx. 80° and 140°.

**Note**

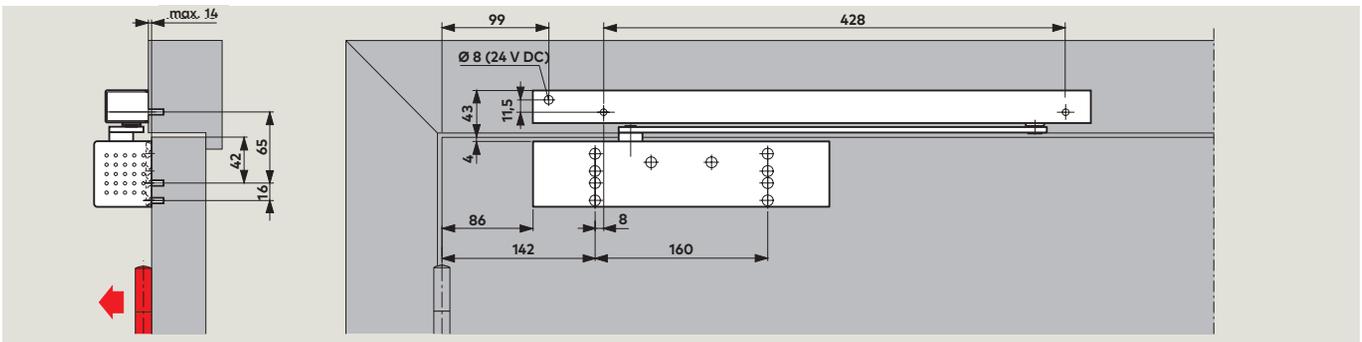
The active leaf can be opened up to the maximum selected hold-open point (door stop to be positioned accordingly).

In the event of an alarm or a fault in the power supply, the hold-open is released and the door is closed by the door closer. The release is triggered by a signal from external smoke detectors (e.g. RMZ or RM). The release force for the hold-open mechanism can be adjusted without tools and is rated to ensure that the door can also be easily released manually. The G-EMF slide channel assembly comprises the slide arm, slide channel, slide block, electro-mechanical hold-open unit, cover, fixing screws and end caps. The G-EMF is transom-fixed and non-handed.

In the case of particularly large and heavy doors (over 1250 mm), or doors in which the hold-open point required exceeds 140°, we recommend that EM hold-open magnets in conjunction with the RMZ central smoke detector be employed instead of the electro-mechanical hold-open unit.

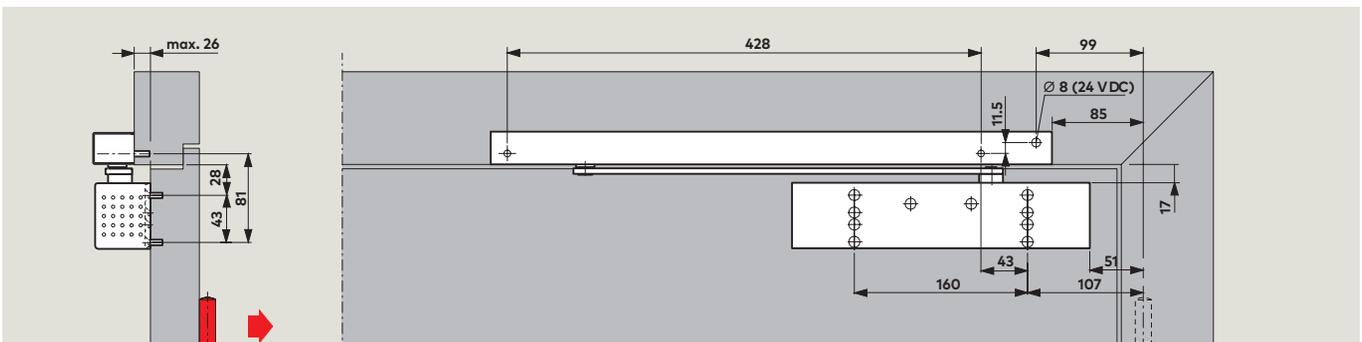
**Technical data**

Operating voltage	24 V DC, ± 15%
Power input	1.4 W
Rated for continuous duty	100% ED
Release force	adjustable



**TS 92 B** closer with G-EMF slide channel assembly, pull-side fixing

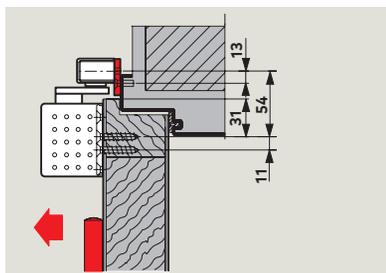
Example: Anticlockwise-closing (ISO 6) door; mirrored arrangements apply to clockwise-closing (ISO 5) doors.



**TS 92 G** closer with G-EMF slide channel assembly, push-side fixing

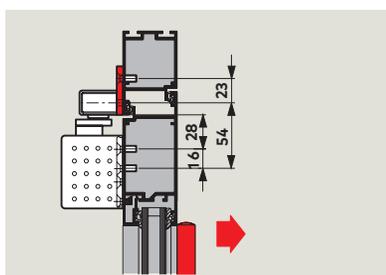
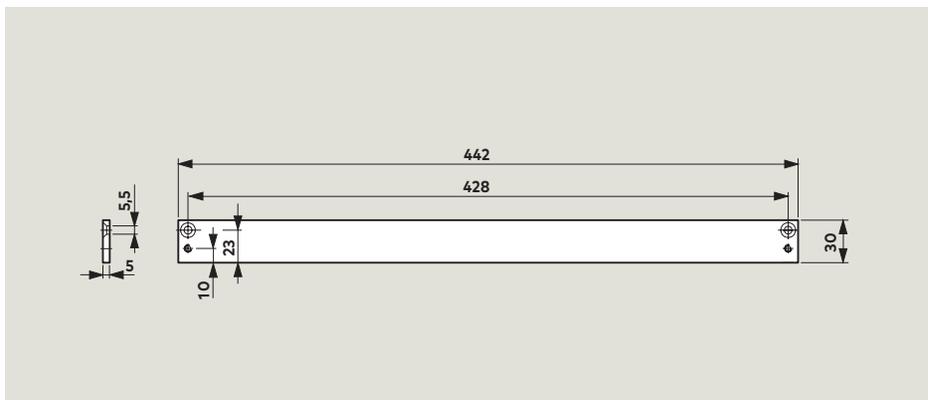
Example: Anticlockwise-closing (ISO 6) door; mirrored arrangements apply to clockwise-closing (ISO 5) doors.

## Accessories



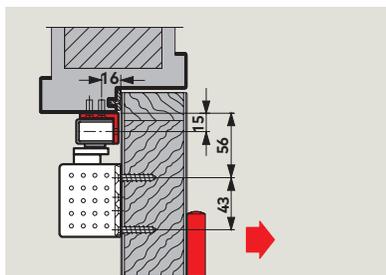
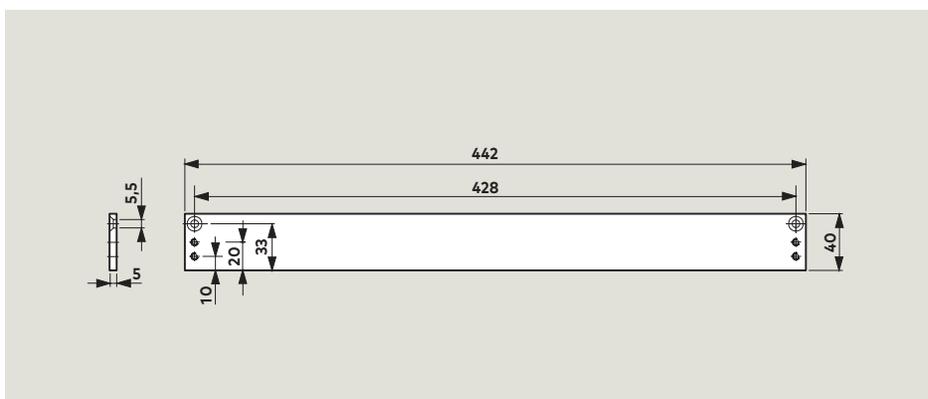
### Mounting backplate 30 mm for G-N

For fixing the slide channel to the door frame where there is no means of direct mounting.



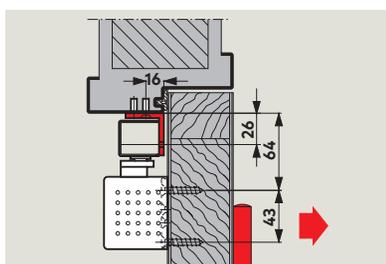
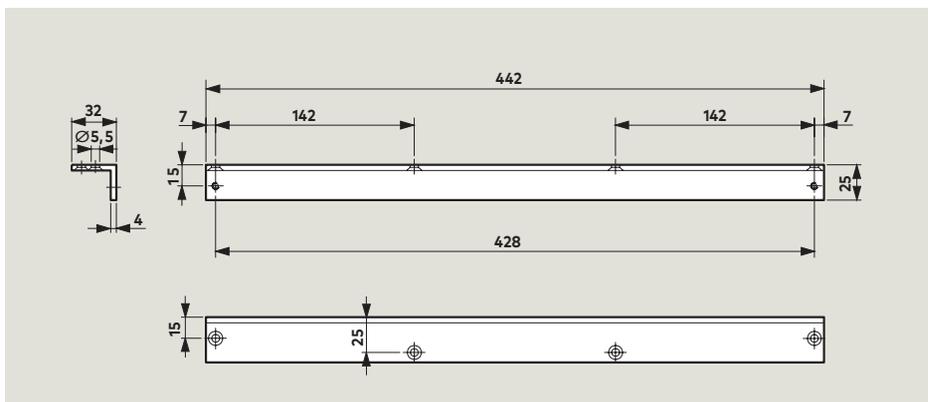
### Mounting backplate 40 mm for G-N

For fixing the slide channel to the door frame where there is no means of direct mounting.



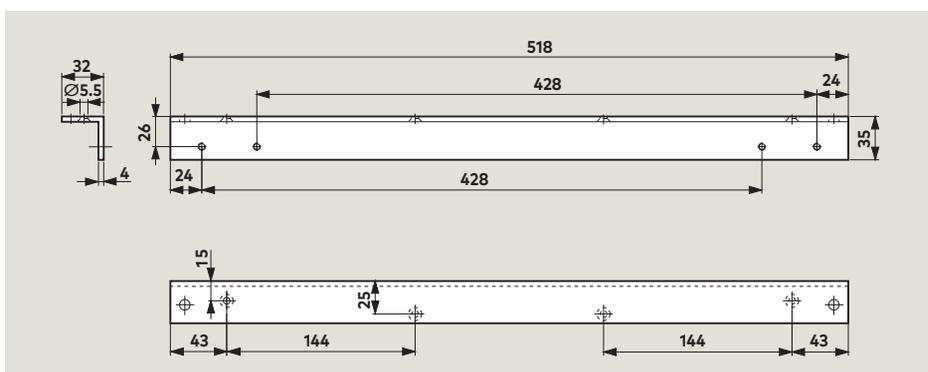
### Angle bracket for G-N

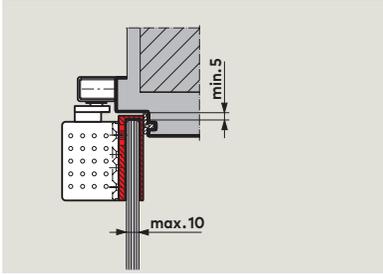
For push-side fixing of the slide channel to door frames with a deep reveal.



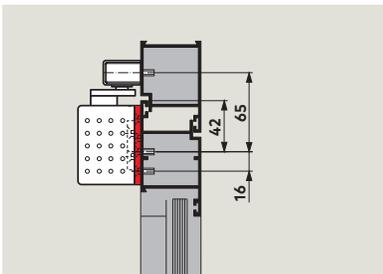
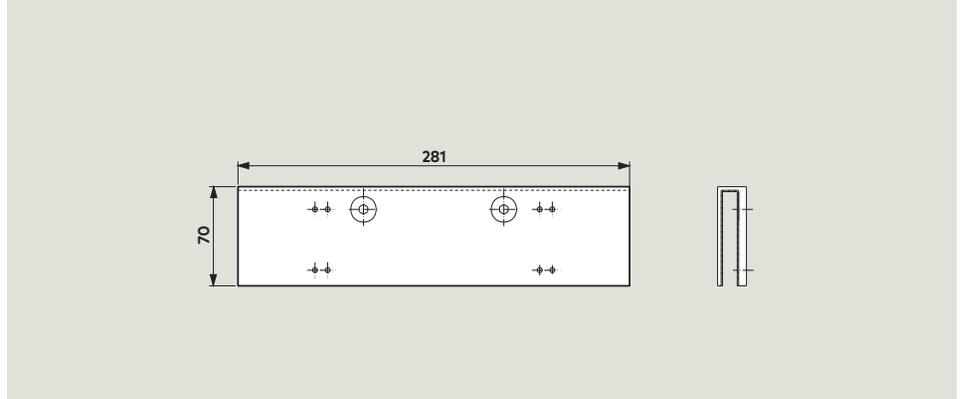
### Angle bracket for G-EMF

For push-side fixing of the slide channel to door frames with a deep reveal.

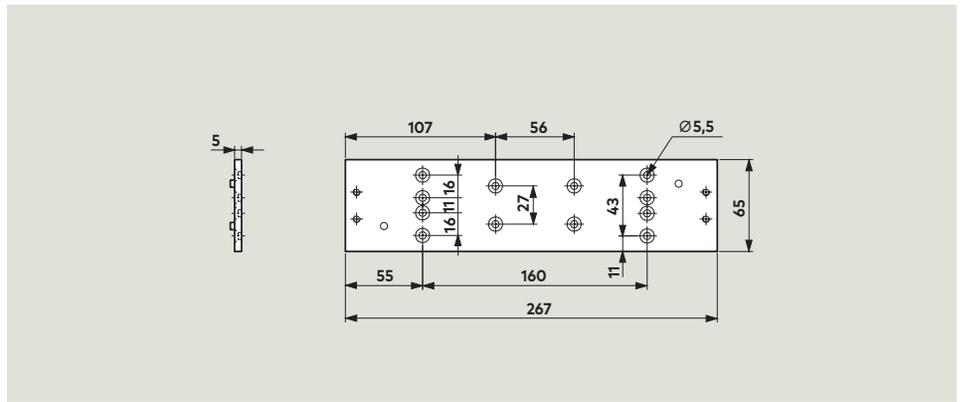




**Glass door saddle plate for TS 92**  
 For fixing the closer to toughened glass doors – No glass drilling or recessing required.

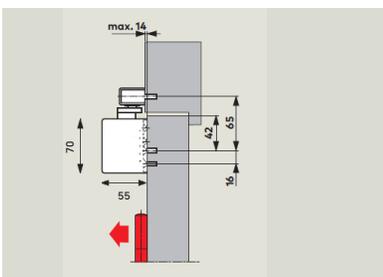


**Mounting backplate for TS 91**  
 For fixing to doors which provide no means of direct mounting.  
 Fixing hole pattern as per Supplement 1 to EN 1154.

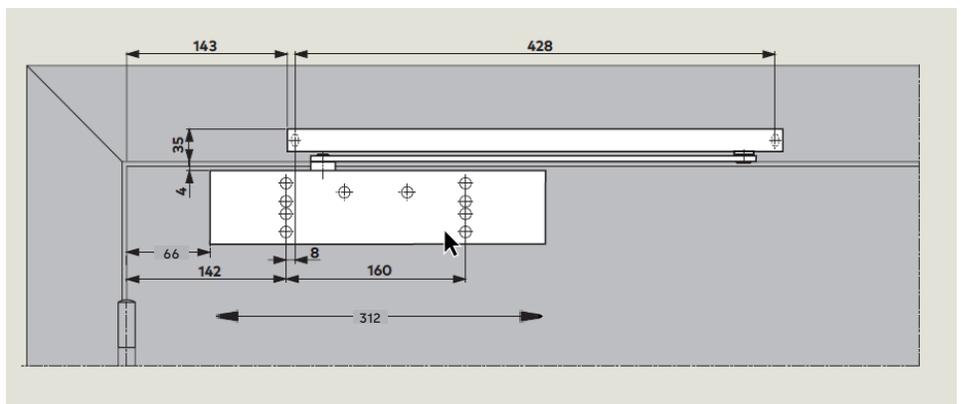


**TS91/92 Softline or Square full covers**

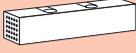
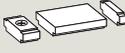
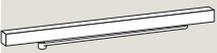
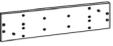
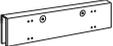
Available in Silver, stainless steel, polished chrome, polished brass and coloured.



**TS92B Door leaf fixing, pull side with cover**



## Standard equipment and accessories

	TS 92 B	TS 92 G	TS 91 B	Mounting backplate 30 mm for G-N	Mounting backplate 40 mm for G-N	Angle bracket for G-N	Cushioned limit stay set for G-N	Hold-open unit for G-N
								
	Size EN 1-4 ■ 420201xx	Size EN 1-4 ■ 420301xx	Size EN 3 ■ 410201xx	644000xx	644100xx	644300xx	35800093	18570000
<b>G-N</b> 	□ 640100xx	■	□	■	□	■	△	△
<b>Mounting backplate for TS 91</b> 				410002xx				△
<b>Glass door saddle plate for TS 92</b> 				420001xx			△	△

### xx Colour

- 01 Silver
- 03 Brown
- 10 White (RAL9010)
- 11 White (RAL 9016)
- 19 Black
- 09 Special colour

- TS 92 also available in matching "Design" finishes
- 04 Stainless steel

\* "Design" refers to the surface finish of the products. Also available with full covers in a full range of finishes

- xx Colour
- Closer separate
- Slide channel assembly separate
- △ Optional accessory

## Specification text

### TS 92 B/G

Cam-action door closer, CERTIFIRE approved (CF 119), in Contur design with linear drive and rapidly decreasing opening resistance/torque, adjustable closing speed in two independent ranges and mounting backplate with universal fixing hole pattern; closing force infinitely variable between size EN 1 and EN 4.

Non-handed.

Approved to EN 1154.

### Model

- TS 92 B
- TS 92 G

### Accessories

- Hold-open unit
- Cushioned limit stay
- Mounting backplate (30 mm) for G-N
- Mounting backplate (40 mm) for G-NN
- Angle bracket for G-N
- Saddle plate for toughened glass doors

### Colour

- silver
- white (sim. to RAL 9016)
- stainless steel
- polished brass
- special colour (sim. to RAL)

### Make

TS 92 B  
TS 92 G

### TS 91 B

Cam-action door closer, CERTIFIRE approved (CF 119), in Contur design with linear drive and rapidly decreasing opening resistance/torque, adjustable closing speed in two independent ranges and mounting backplate with universal fixing hole pattern; closing force EN 3.

Non-handed.

Approved to EN 1154.

### Accessories

- Hold-open unit
- Cushioned limit stay
- Mounting backplate (30 mm) for G-N
- Mounting backplate (40 mm) for G-N
- Mounting backplate for TS 91

### Colour

- silver
- white (sim. to RAL 9016)
- special colour (sim. to RAL)

### Make

TS 91 B





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Subject to change without notice

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