



Floor spring
BTS 80
BTS 75 V

Universal application range, individual functions, assured quality

Whether standard, narrow or wide, DIN-L, DIN-R or double action doors – as universal floor springs, the dormakaba BTS 80 and BTS 75 V are suitable for all types of doors.

A comprehensive range of accessories ensures that they can be adapted to a wide variety of door constructions and different floor finishes.

The individual functions of the BTS 80 and BTS 75 V floor springs fulfil a range of different requirements while offering maximum reliability and quality.

ISO 9001 certified.

Benefits – point by point

For trade

- Reduced stock storage thanks to separate, interchangeable spindles.
- Lean product range offers all the essential functions.

For installers

- Universal use on DIN-L, DIN-R and double action doors.
- Easy adaptation to structural conditions – even after installation – by means of interchangeable spindles.

For planners

- Unblemished appearance thanks to concealed installation.
- All essential functions.
- Proven, robust construction – can be loaded with a door weight of up to 300 kg (BTS 80).

For the end user

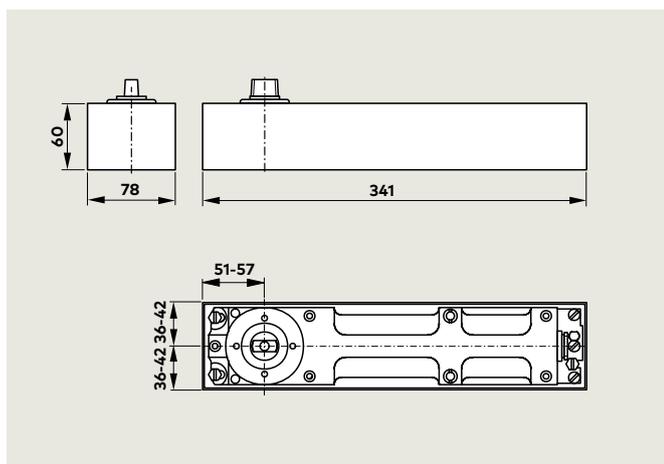
- Constant, temperature-independent closing process.
- Easy door access due to high mechanical efficiency.

Data and features		BTS 80		BTS 75 V	
		3	4	6	1-4
Closing force size EN		3	4	6	1-4
Continuously adjustable closing force		–	–	–	●
General doors and exterior doors ¹⁾	≤ 950 mm	●	–	–	–
	≤ 1100 mm	–	●	–	●
	≤ 1,400 mm	–	–	●	–
Fire and smoke doors		–	–	–	●
Max. door weight in kg		300		120	
Same design for DIN-L, DIN-R and double action doors		●		●	
Closing time	175°– 0°	●		–	
	continuously adjustable	–		●	
	15°– 0° using valve(s)	–		●	
Backcheck, mechanical		●		●	
Delayed closing continuously adjustable via valve (can be activated as an alternative to hold open)		●		–	
Hold open	Adjustable	●		–	
	Constant at 90°	–		●	
	Constant at 105°	–		●	
Cover plate mounting	On cement boxes	●		●	
	On closer	–		–	
	Weight in kg	7.1		3.0	
Dimensions in mm	Length	341		285	
	Width	78		82	
	Height	60		50	
Door closers tested in accordance with EN 1154		●		●	
CE-identification for construction products (Products with a factory hold open do not have any CE-identification)		–		●	

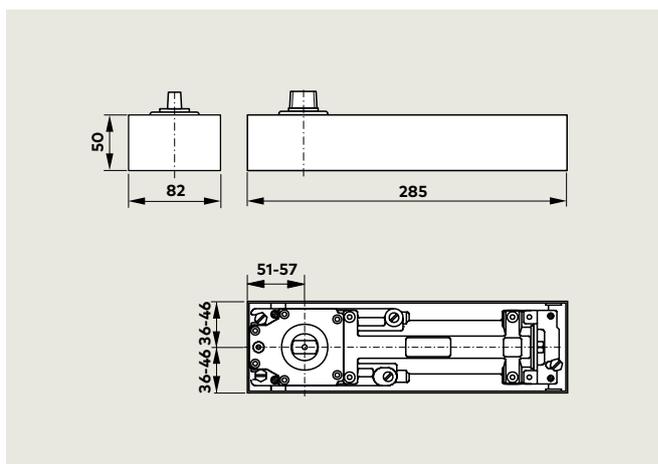
● yes – no

¹⁾ For particularly high and heavy doors as well as for doors that constantly close against strong wind pressure, we recommend dormakaba BTS 80.

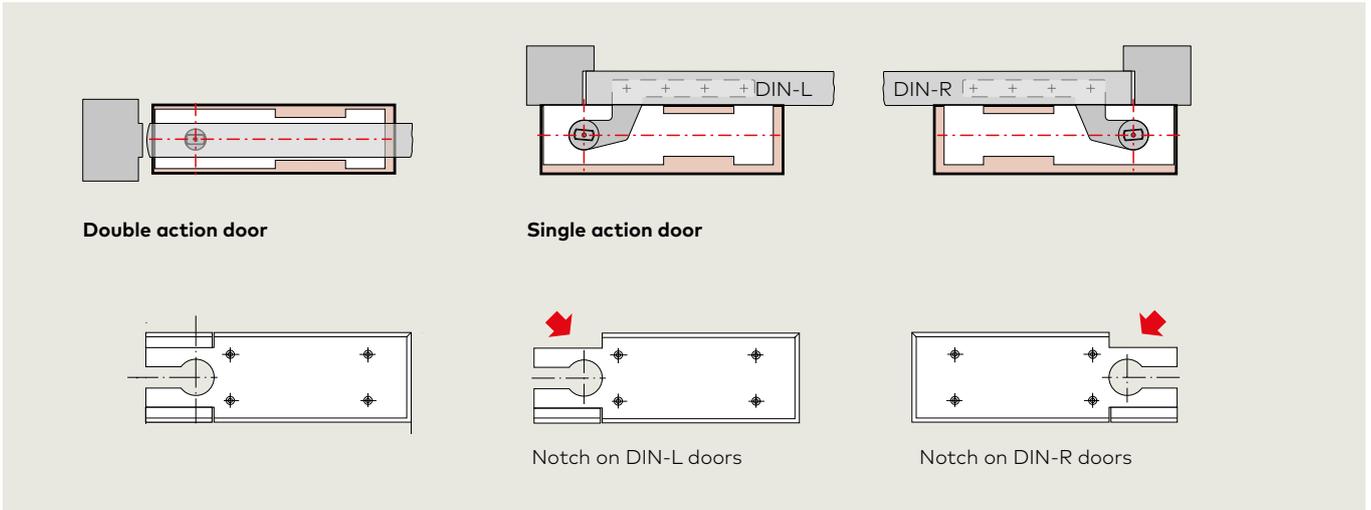
BTS 80



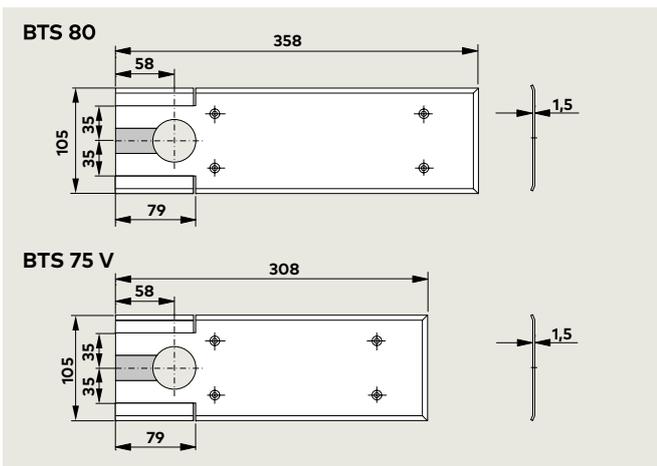
BTS 75 V



Application and installation



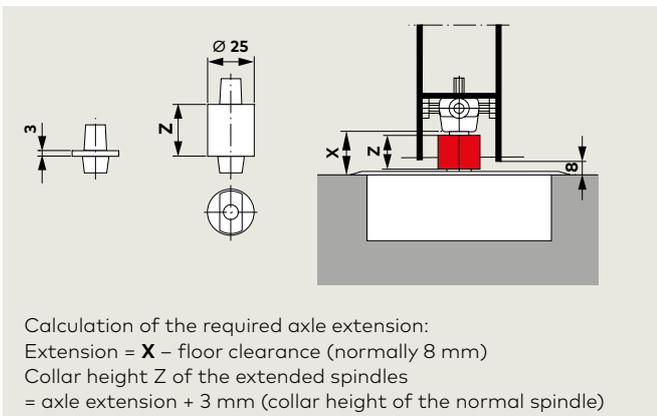
Accessories



Universal cover plate

The universal cover plate can be used on both DIN-L and DIN-R doors by simply ejecting the pre-punched corner parts. In the case of double action doors, it is mounted as delivered.

The universal cover plate is optionally available in stainless steel or brass, brushed matt (material thickness 1.5 mm).



Spindles

If necessary, the floor play can be increased with the help of exchangeable spindles (e.g. for doors with thresholds, carpeted floors, etc).

Special designs on request, e.g. flat edge, offset by 3°, square and spindles for non-dormakaba accessories.

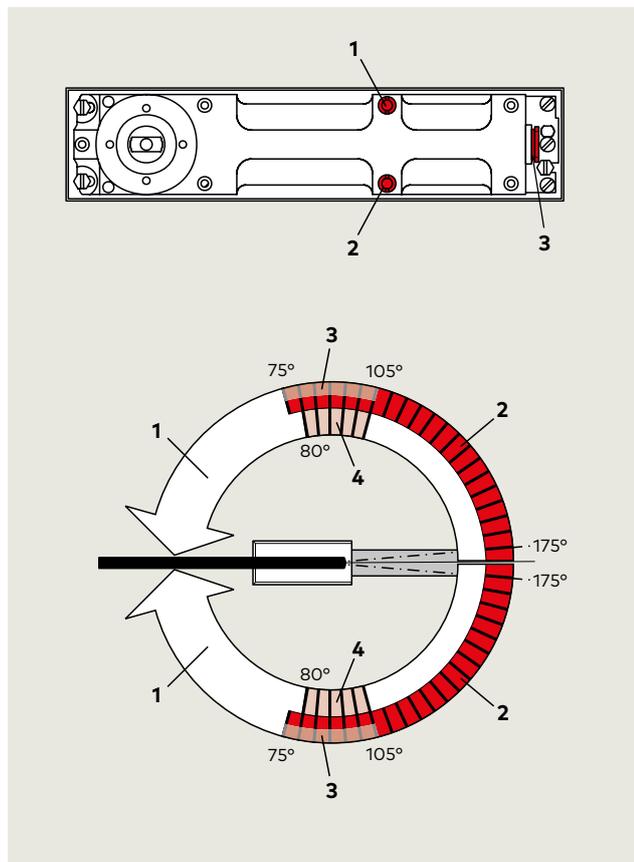
dormakaba 2300 sealing compound

For filling the cavities between the closer housing and the cement box to prevent the ingress of moisture (required e.g. for damp rooms according to VOB).

For additional accessories such as door levers and pivot hinges, see technical information "Accessories for dormakaba BTS floor springs".

Standard and optional functions

BTS 80



- 1 Continuously adjustable closing time
- 2 Hold-open range or delayed closing range
- 3 Setting range – start of hold open or end of delayed closing (approx. 75° to 105°)
- 4 Mechanical backcheck (from approx. 80°)

Hydraulic hold open

The integrated hold-open mechanism enables the door to be held at any hold-open angle between 75° and 175°. The start of the hold-open angle is variably adjustable between a 75° and 105° door opening angle.

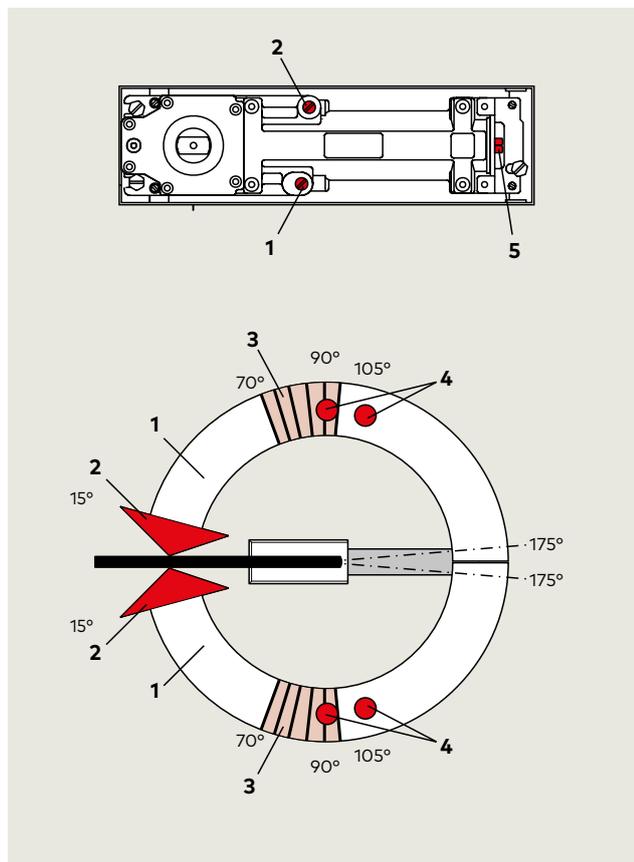
Backcheck

The integrated mechanical backcheck protects the wall and door against damage in the event of a violent opening of the door.

Delayed closing

The delayed closing causes a reduction in closing time which allows e.g. people with disabilities, mothers with pushchairs or staff with utility vehicles or hospital beds to pass through the door unobstructed.

BTS 75 V



- 1 Continuously adjustable closing time in the range from 175°–15°
- 2 Continuously adjustable closing time in the range from 15°–0°
- 3 Mechanical backcheck (from approx. 70°)
- 4 Constant hold open at 90° or 105° (optional)
Continuously adjustable closing force EN 1–4

Closing time

With two independently adjustable closing ranges of 175°–15° and 15°–0°, the BTS 75 V can be optimally adapted to structural conditions.

Backcheck

The integrated mechanical backcheck protects the wall and door against damage in the event of a violent opening of the door.

Constant hold open (optional)

With the help of the constant hold open, the door can be held open at an opening angle of 90° or 105°, depending on the version.

Not suitable for fire and smoke doors.

Space for your notes

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Our Sustainability Commitment

We are committed to foster a sustainable development along our entire value chain in line with our economic, environmental and social responsibilities toward current and future generations.

Sustainability at product level is an important, future-oriented approach in the field of construction. In order to give quantified disclosures of a product's environmental impacts through its entire life cycle, dormakaba provides Environmental Product Declarations (EPD), based on holistic life cycle assessments.

The full EPD is available for download at www.dormakaba.com.



**Door
Hardware**



**Electronic
Access & Data**



**Mechanical
Key Systems**



Lodging Systems



**Entrance
Systems**



**Interior Glass
Systems**



Safe Locks



Service

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