

TS 90

Cam-action door closer



Clearly crafted

The dormakaba TS 90 Impulse door closer combines technical superiority with excellent efficiency, and advanced design with convenient functionality - based on the EASY OPEN technology. Through its various mounting options and reliable operation, the TS 90 door closer is suitable for a wide range of applications and door situations.

A perfect combination of form and function

The TS 90 Impulse combines technical superiority with outstanding value, and unites advanced design with convenient functionality – all on the basis of its heart-shaped cam.

With its installation versatility and inherent functional reliability, it is ideal for virtually any application.

Certified to ISO 9001

Benefits

For the trade

- Unique dormakaba cam action technology for the entry-level segment, compliant with EN 1154.
- Complete package for easy stocking.
- Sets new standards to open up new markets.

For the installer/fabricator

- Easy to fix without mounting backplate.
- Non-handed.
- Four installation arrangements with one model.
- Proven dormakaba quality for long service life.

For the architect/specifier

- Proven technology of the heart-shaped cam.
- Cost-efficient slide channel door closer for interior doors.

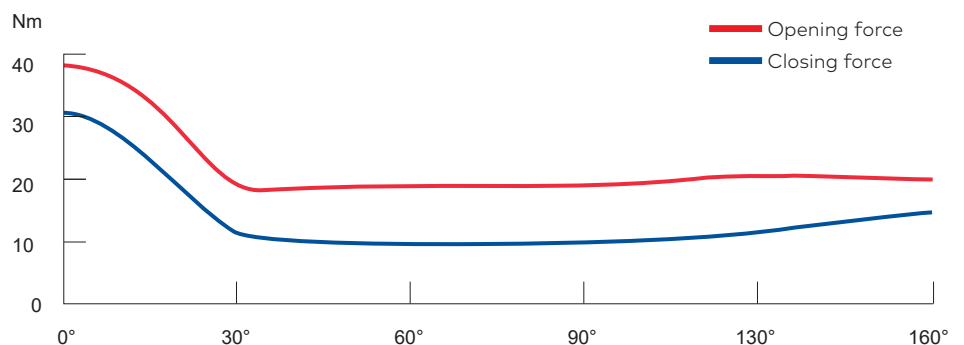
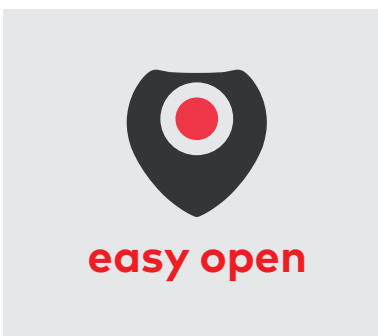
For the user

- Convenient, low-resistance opening with fully controlled closing.
- Two regulating valves for precise adjustment of closing speed.
- Available with hold-open and cushioned limit stay options.

Force profile



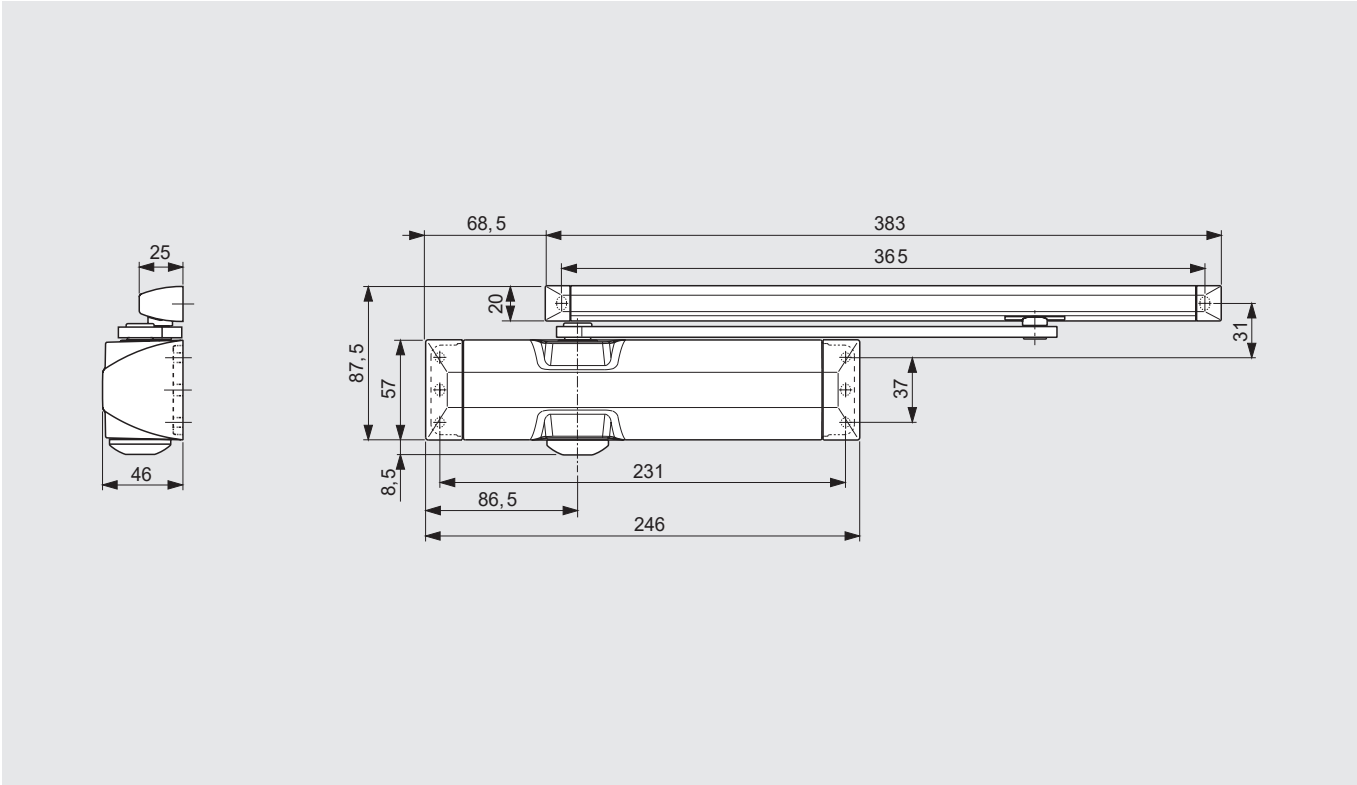
The heart-shaped cam and linear drive mechanism of the TS 97 ensure that the resistance encountered decreases almost instantly with the door opening action – so even children, the elderly and people with disabilities have no problem in passing through. User-friendly and reliable closing is also ensured by the delayed increase in the actuating torque at the 'latching' end of the sweep.



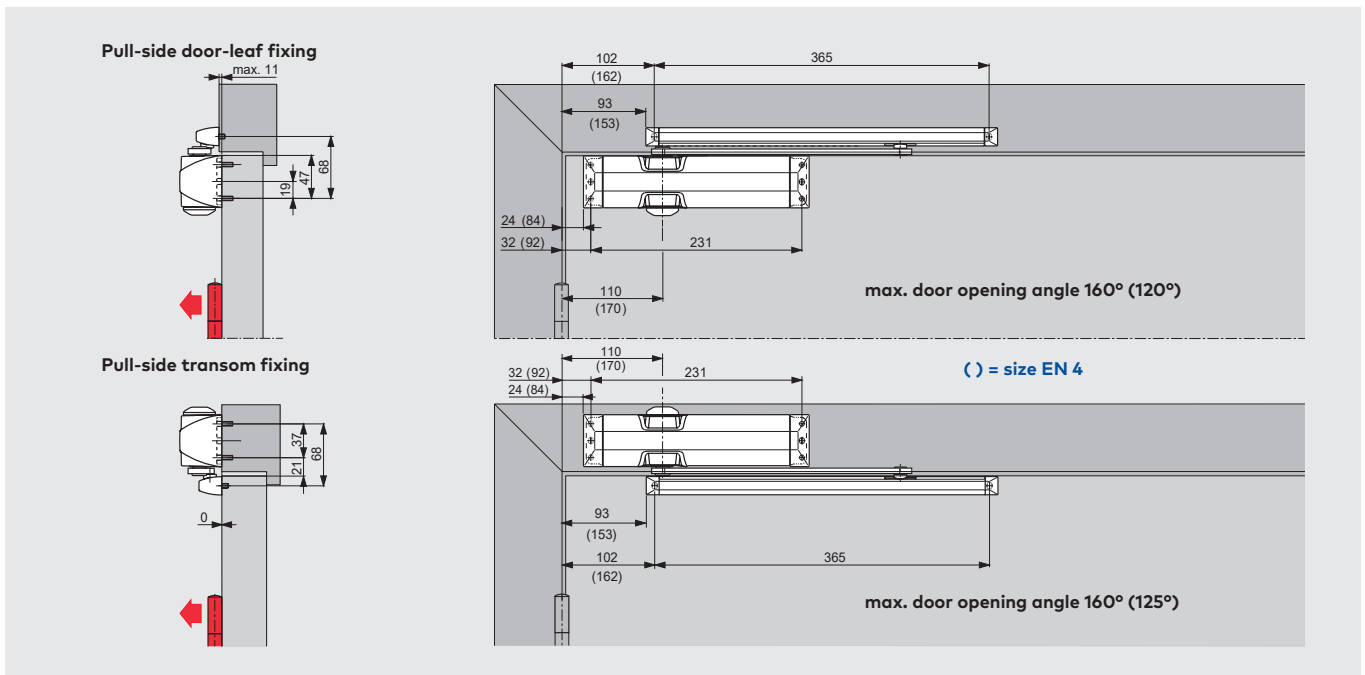
Specification

Data and features		TS 90 Impulse
Closing force adjustable	Size	EN 3/4
Standard doors ¹⁾	≤ 1100 mm	•
External doors, outward opening ¹⁾		•
Fire and smoke check doors ¹⁾		•
Non-handed		•
Arm assembly	Slide channel	•
Closing speed adjustment by two independent valves		•
Cushioned limit stay (mechanical)		◦
Backcheck		•
Delayed action		–
Hold-open		◦
Weight in kg		1.7
Dimensions in mm	Length Overall depth Height	246 46 57
Door closer compliant with EN 1154		•
CE-mark for construction products		•
• yes – no ◦ option		

1). In the case of particularly heavy doors and doors that have to close against wind pressure, we recommend the dormakaba TS 93.



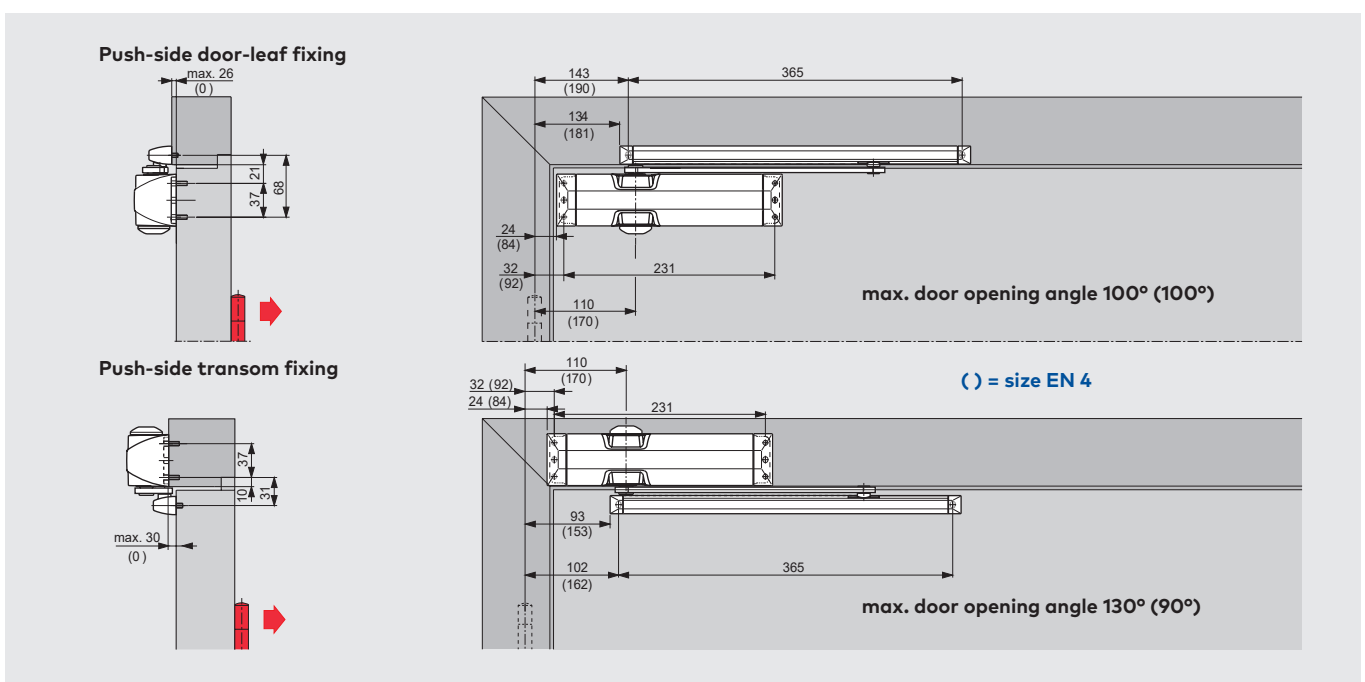
Pull-side fixing



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

Depending on the structural conditions, the door opening angle is likely to be limited. It is recommended to install the cushioned limit stay or position a door stop at this point.

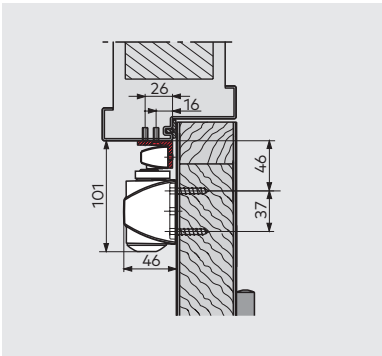
Push-side fixing



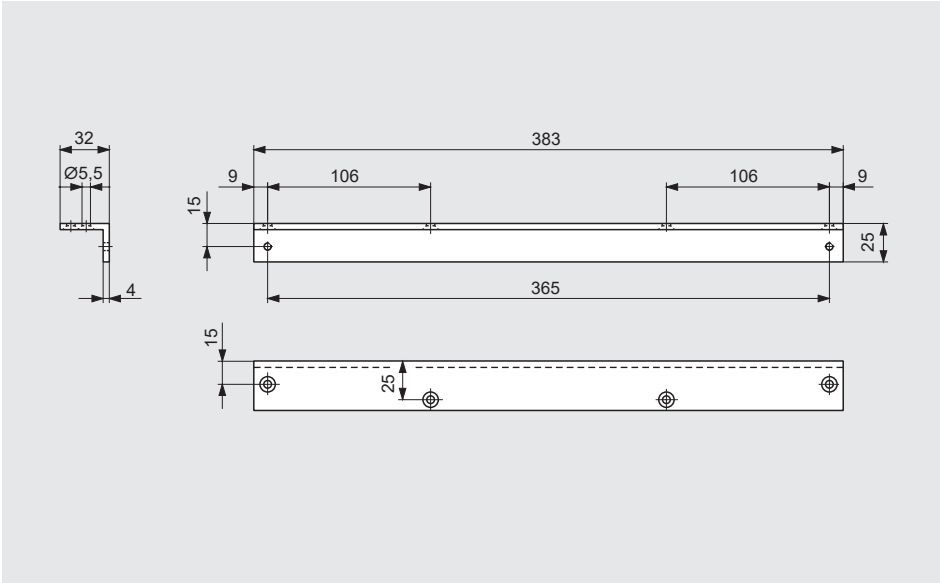
(example: RH/ISO 5 door; mirror image for LH/ISO 6 door)

Depending on the structural conditions, the door opening angle is likely to be limited. It is recommended to install the cushioned limit stay or position a door stop at this point.

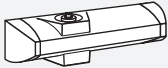




Accessories



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



Standard equipment and accessories

	TS 90 cam-action door closer	Angle bracket	Cushioned limit stay	Mechanical hold-open device
				
	Size EN 3/4	100030xx	10002000	10002100
Slide channel				
				
	102104xx	△	△	△

Order No.	Colour	xx
■ = Closer body with slide channel, complete	Silver	01
△ = Accessory	White (sim. RAL 9016)	11
	Black P190	19

Specification text TS 90 Impulse
Universal cam-action door closer with linear drive and rapidly decreasing opening torque; closing speed adjustable in two independent ranges.

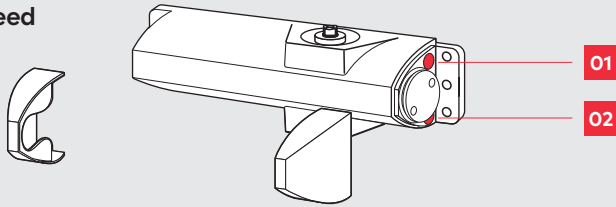
Closing force = Size EN 3/4.
Non-handed.
Compliant with EN 1154.

- Make**
dormakaba TS 90 Impulse EN 3/4
- Accessories**
- Angle bracket
 - Hold-open device
 - Cushioned limit stay

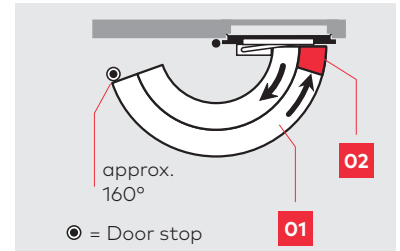
- Colour**
- Silver
 - White (sim. to RAL 9016)
 - Black P190

Standard and optional functions

Closing speed

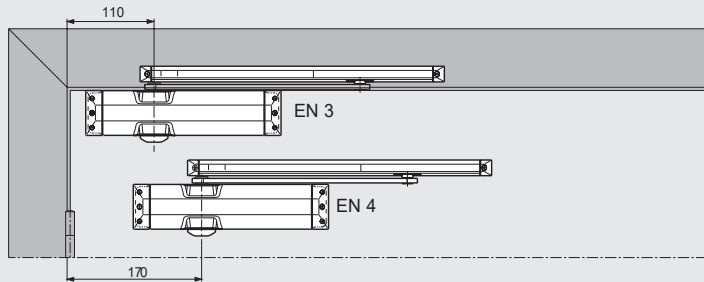


The closing speed of the TS 90 Impulse is adjustable in two independent ranges at the valves indicated.



- 01** Infinitely adjustable closing speed in the range 160° – 15°.
- 02** Infinitely adjustable latching action in the range 15° – 0°.

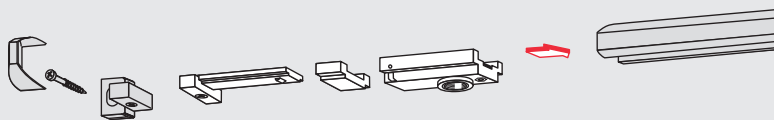
Closing force settings EN 3/EN 4



Door width	size setting
≤ 950 mm	EN 3
≤ 1100 mm	EN 4

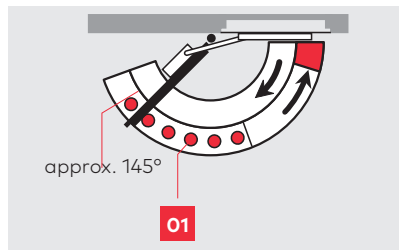
The TS 90 Impulse closing force setting is selected by installation template positioning in accordance with our recommended door widths.

Mechanical hold-open device



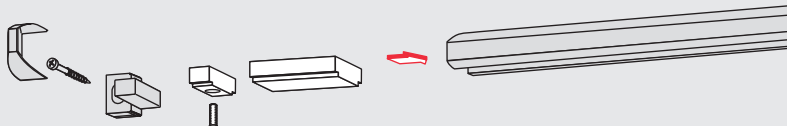
The hold-open device enables doors to be precisely held without any fall-back up to an opening angle of approx. 145°.

The hold-open device is suitable for both LH and RH doors and is designed for retrofitting to the slide channel. **Not for fire and smoke doors.**



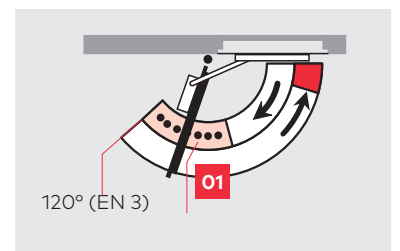
- 01** Hold-open range.

Cushioned limit stay



Cushioned limit stay for retrofitting by insertion in the slide channel. Adjustable between 80° and max. 120°. Use of the cushioned limit stay helps to prevent a normally opened door from colliding with adjacent walls.

The cushioned limit stay is not an overload protection device and in many cases is no substitute for a door stop. Only for the use of TS 90 Impulse size EN 3.



- 01** Opening angle limit.



**Door
Hardware**



**Entrance
Systems**



**Electronic
Access & Data**



**Interior Glass
Systems**



**Lodging
Systems**



**Mechanical
Key Systems**



Safe Locks



Services

Our Sustainability Commitment

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

We seek an open, transparent dialogue with all stakeholders to define strategies and actions based on clear targets and continuous improvement, and we actively report on our progress.

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Subject to change without notice

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