

TS 90
Cam-action door closer



**Two strong global brands—
Dorma and Kaba – have
combined forces and are now
offering you a comprehensive
portfolio of smart & secure
access solutions, all from one,
reliable source.**

Our new product portfolio
includes everything from locks
and keys to a fully networked
electronic access solution, and
everything from door closers and
automatic doors to a mobile
partition system.

All supported by a
comprehensive service network.

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

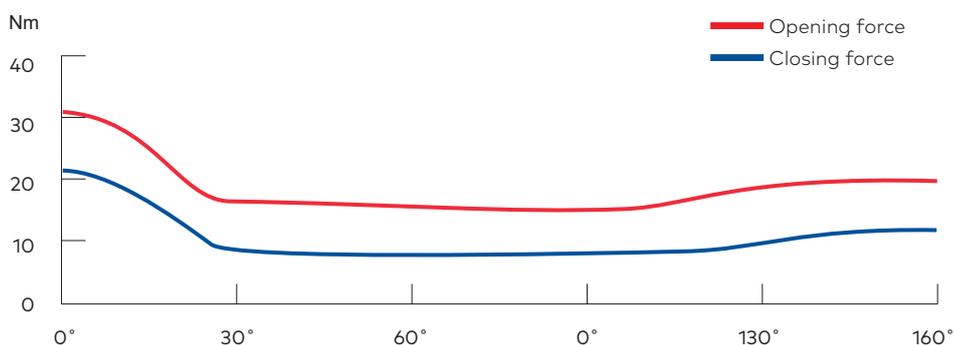
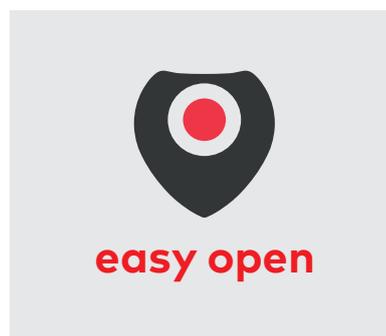
- Convenient, low-resistance opening with fully controlled closing.
- Two regulating valves for precise adjustment of closing speed.
- Available with hold-open and cushioned limit stay options.

Force profile

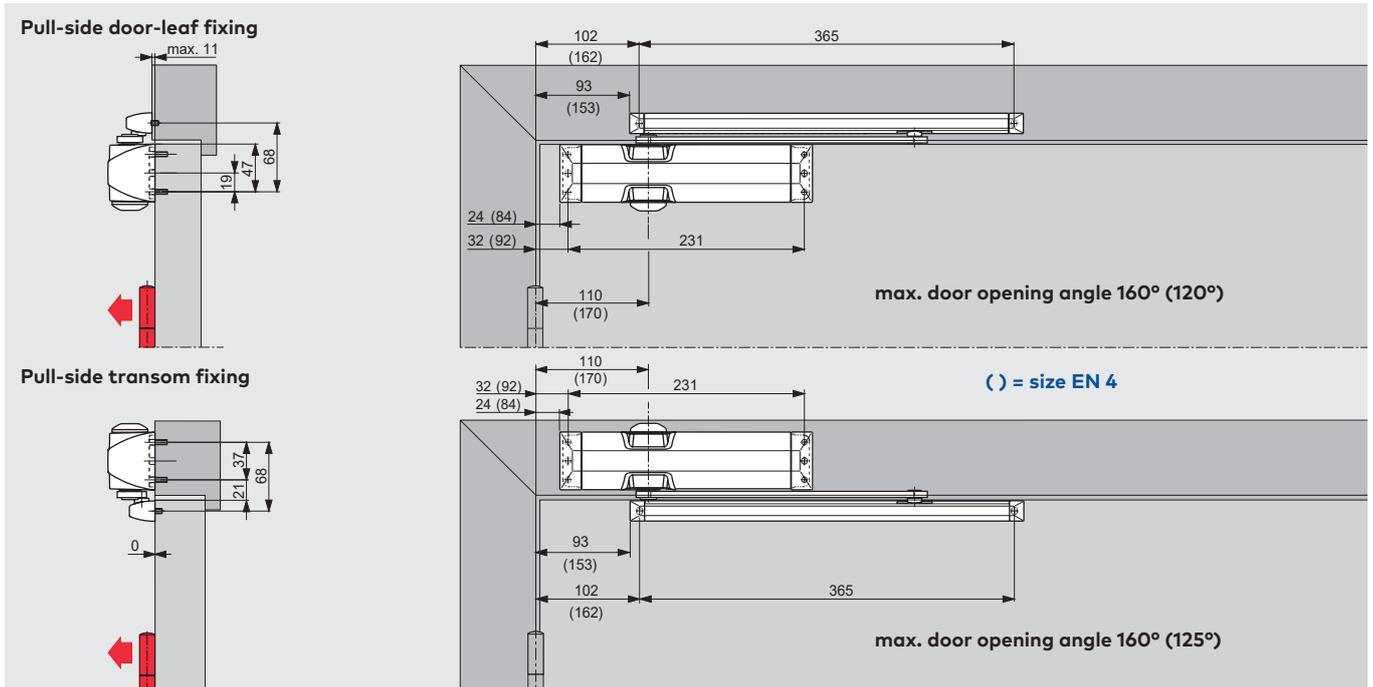


The heart-shaped cam and the linear drive mechanism of the TS 90 Impulse ensure that the resistance encountered decreases almost instantly with the door opening action – so even children, the elderly and people with disabilities have no problem in opening the door.

User-friendly and reliable closing is also ensured by the delayed increase in the actuating torque at the “latching” end of the sweep.



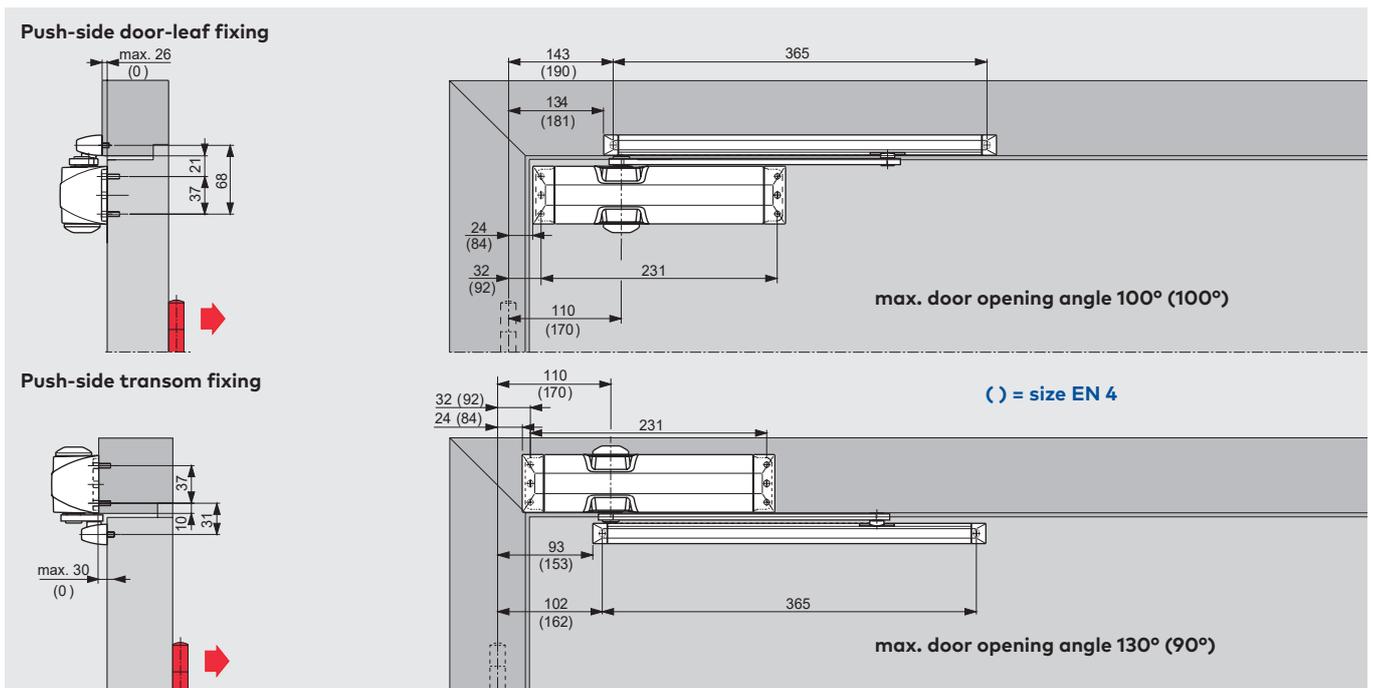
Pull-side fixing



(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.

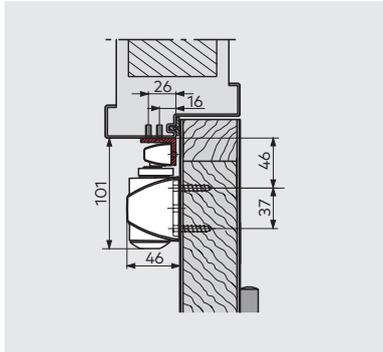
Push-side fixing



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

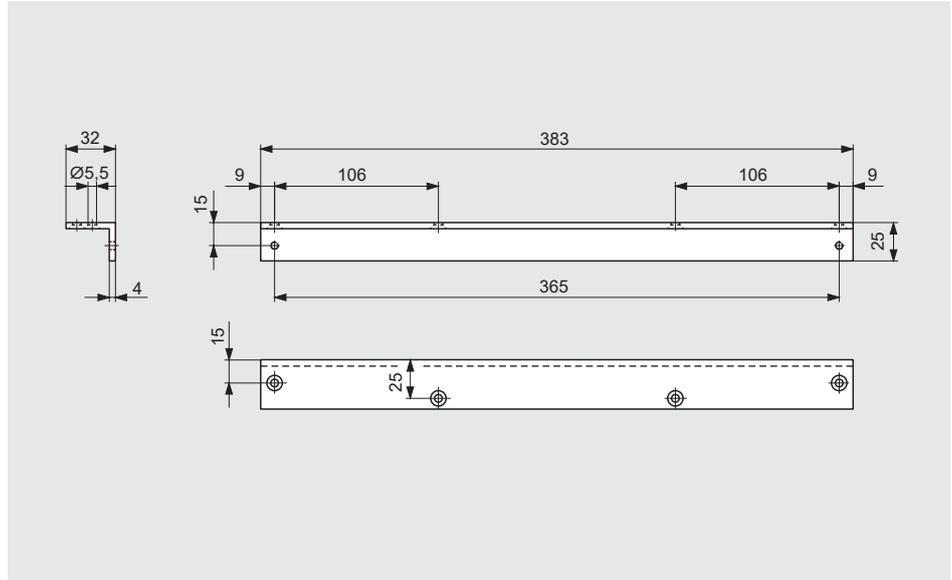
Depending on the structural conditions, the door opening angle is likely to be limited. It is recommended to install the cushioned limit stay or position a door stop at this point.

Accessories

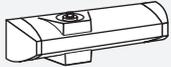


Angle bracket

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.

-  = Closer body with slide channel, complete
-  = Accessory

Colour

- Silver
- White (sim. RAL 9016)
- Black P190

xx

- 01
- 11
- 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

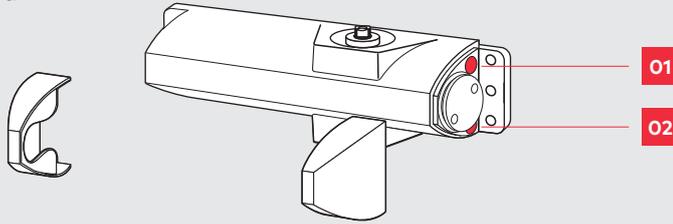
- Angle bracket
- Hold-open device
- Cushioned limit stay

Colour

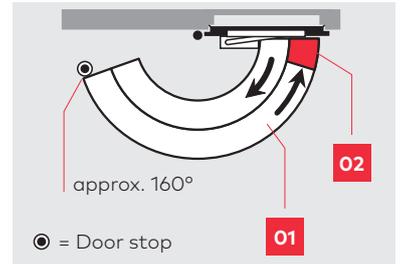
- Silver
- White (sim. to RAL 9016)
- Black P190

Standard and optional functions

Closing speed

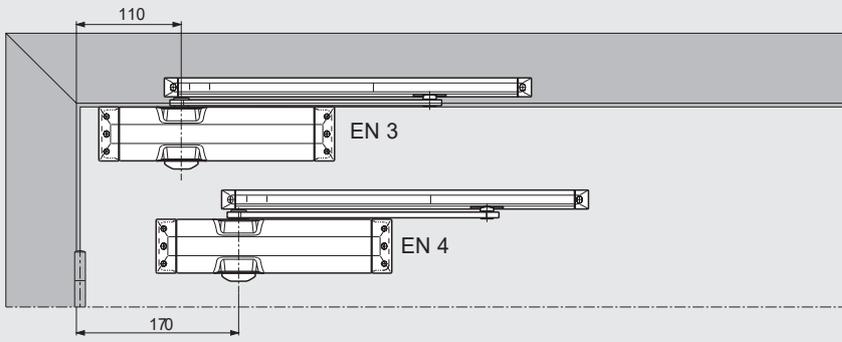


The closing speed of the TS 90 Impulse is adjustable in two independent ranges at the valves indicated.



- O1** Infinitely adjustable closing speed in the range 160° – 15°.
- O2** Infinitely adjustable latching action in the range 15° – 0°.

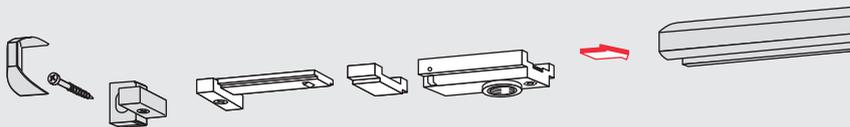
Closing force settings EN 3/EN 4



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.

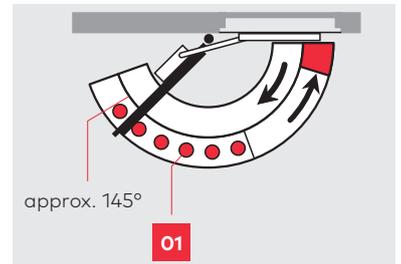
Mechanical hold-open device



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

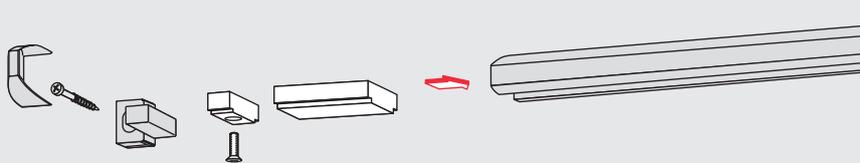
The hold-open device is suitable for both LH and RH doors and is designed for retrofitting to the slide channel.

Not for fire and smoke doors.



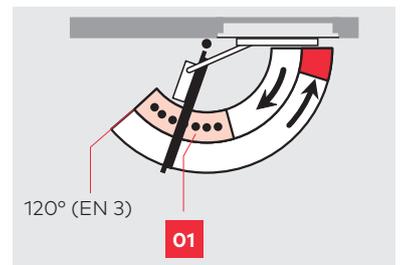
- O1** Hold-open range.

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.



- O1** Opening angle limit.



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