

AJEdden

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Door Closer

DORMA TS 73V
EN 1-4

Bet you can't guess **EVERYTHING we do...**

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Easy to install and with adjustable closing force, backcheck and delayed action.

Simple, easy installation, easy to adjust and guaranteed quality. Tested to EN 1154.

Decades of experience have gone into the development of the DORMA TS 73 V. Specially designed for internal doors, including fire doors, the DORMA TS 73 V is a universal solution for

doors of differing designs and styles. The flat and timeless design format of the TS 73 V means that there are practically no problems with installation. Engineered excellence and tried and trusted quality is your assurance of reliability.

Certified to ISO 9001.

Plus points

For the trade

- Low inventory costs and reduced stocking requirement thanks to streamlined product range.
- Practical and effective solutions to meet special applications thanks to comprehensive choice of accessories.

For the installer

- Easy to fix.
- Can be "tailored" to the requirements of the door by simple adjustment.
- Just one model for RH (DIN-R, ISO 5) and LH (DIN-L, ISO 6) doors, and for standard and frame/intel fixing.

For the specifier/architect

- Flat and timeless design complete with sturdy arm assembly.
- Wide range of standard functions supplemented by optional extras.
- Suitable for fire doors.

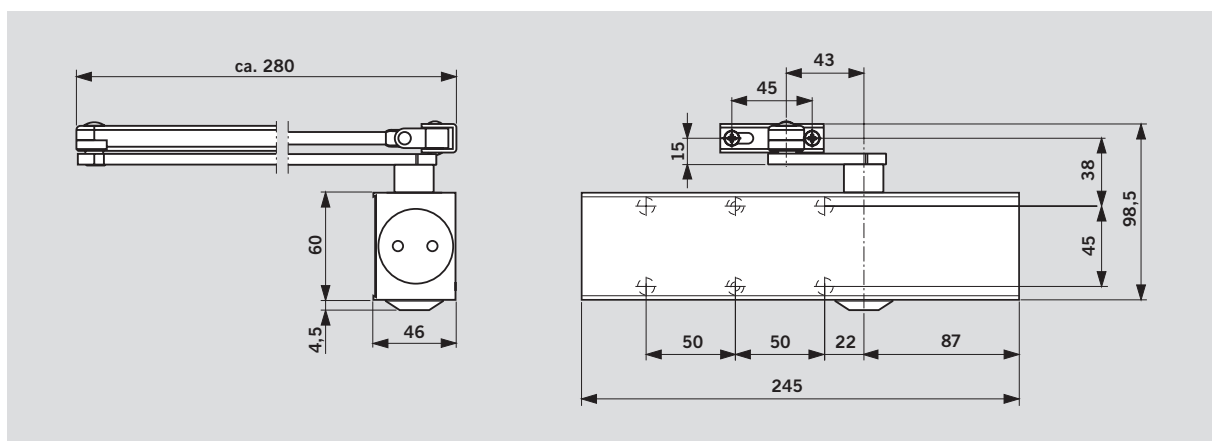
For the user

- Optimum wall and door protection thanks to "thinking" backcheck.
- Closing speed virtually unaffected by temperature fluctuations.
- Proportionately low opening resistance thanks to high mechanical efficiency.

Data and features		TS 73 V
Variable closing force	Spring strength	EN 1 - 4
Standard doors ¹⁾	≤ 1100 mm	●
External doors, outward opening ¹⁾		-
Fire and smoke check doors ¹⁾	≤ 1100 mm	●
Non-handed		●
Arm assembly type	Standard	●
	Flat-form	○
	Slide channel	-
Closing force variable by means of adjustment screw		●
Closing speed adjustable at 3 separate valves	180° - 70°	●
	70° - 15°	●
	15° - 0	●
Adjustable latching action	by arm	●
Backcheck	self-regulating	●
	adjustable at valve	●
Delayed action variable at valve		●
Hold-open		○
Weight in kg		1.7
Dimensions in mm	Length	245
	Overall depth	46
	Height	60
Door closer tested to EN 1154		●
CE mark for construction products		●

● yes – no ○ option

¹⁾ For high and heavy doors, external doors, and for doors required to close against high wind pressure, we recommend DORMA TS 83.



Standard and optional functions

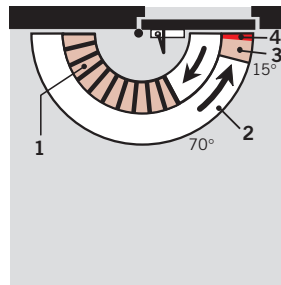
With backcheck – Model BC/ÖD

Thanks to an innovative design concept, the resistance developed by this backcheck system as the door is opened beyond approx. 70° is directly proportional to door acceleration. It is almost imperceptible when the door is opened slowly.

However, if the door is opened hastily, the backcheck responds in

equal measure.

And if the door should be flung open at speed – whether deliberately, thoughtlessly, accidentally or as a result of a gust of wind – the backcheck reacts at full strength, protecting the wall and door from damage.

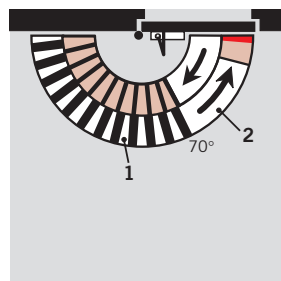
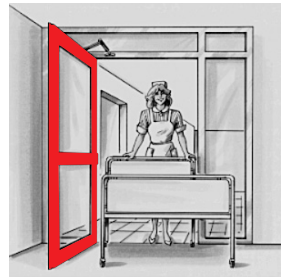


- 1 Self-regulating backcheck
- 2 Infinitely variable closing speed in the range 180° – 70°
70° – 15°
- 3 Infinitely variable closing speed in the range 15° – 0°
- 4 Adjustable latch range (by arm)

With additional delayed action – Model BC/ÖD + DC/SV

This model with its additional, integrated delayed action enables the closing cycle to be retarded within an adjustable range from 180° – 70° so that disabled persons, mothers with prams and people carrying bulky items are able to pass through the door without difficulty.

This model can also be used for fire doors.

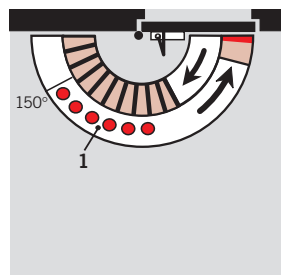
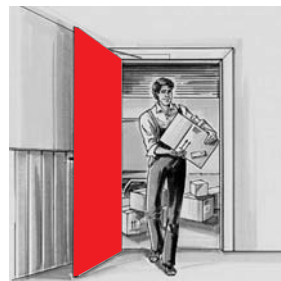


- 1 Adjustable delayed action
- 2 Fully controlled closing with adjustable speed

With hold-open – Model with hold-open arm

Combining the TS 73 V with a hold-open arm enables the door to be held open at an appropriate angle (up to approx. 150°).

The hold-open function in the standard hold-open arm can be switched on and off by the user by simply pressing a switch.

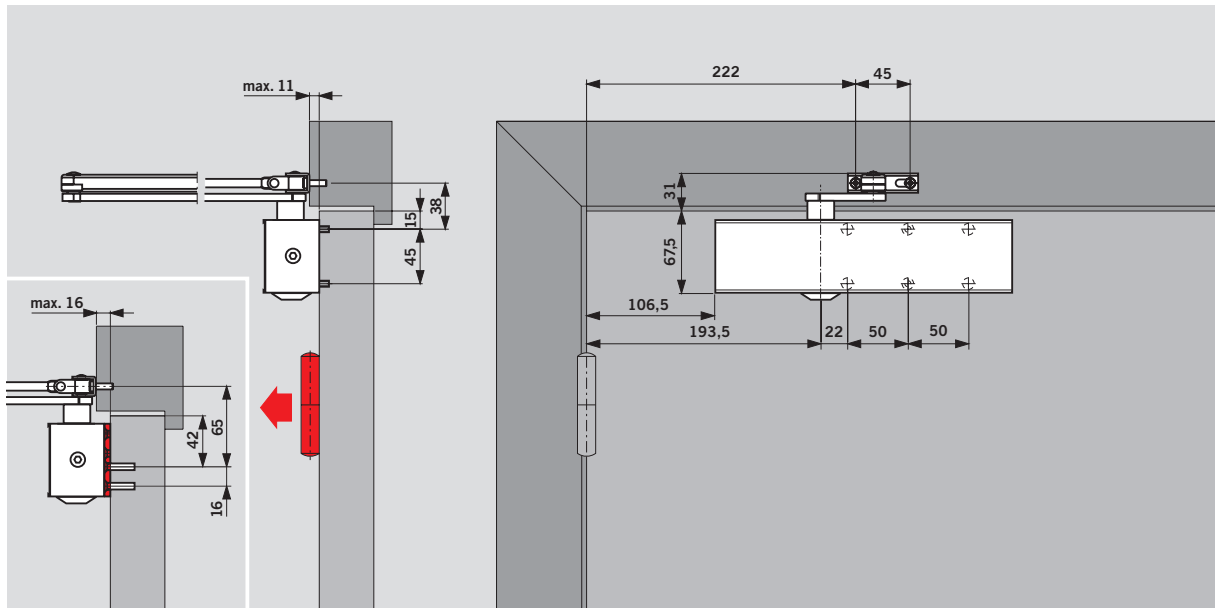


- 1 Hold-open range

Hold-open arms are not approved for fire and smoke check doors.

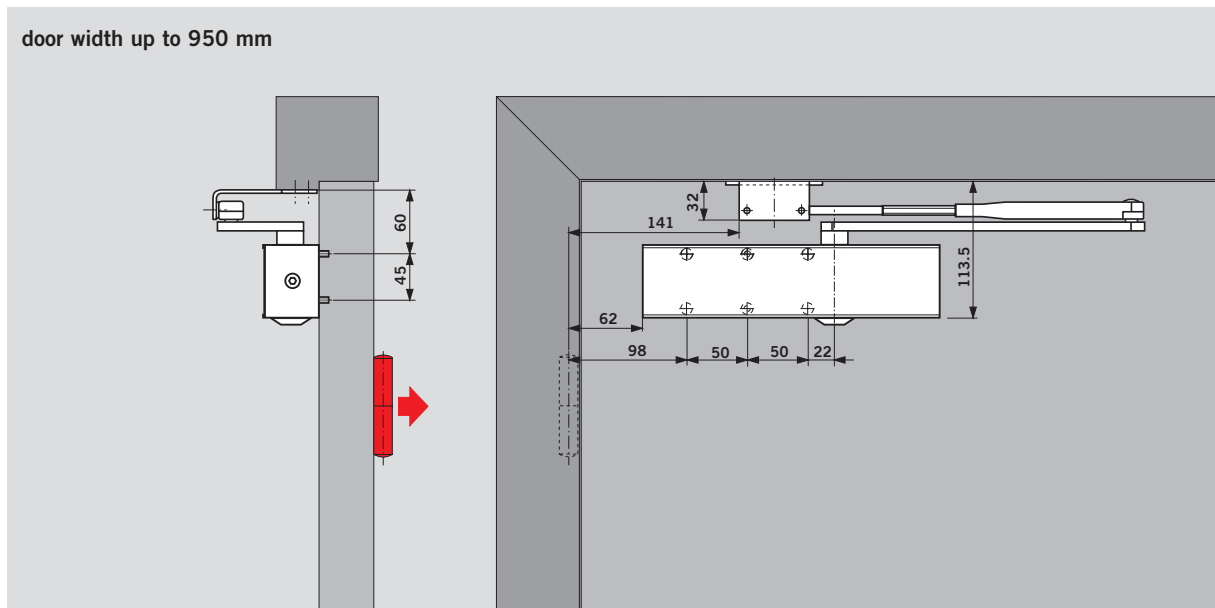
Door leaf fixing, pull side

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



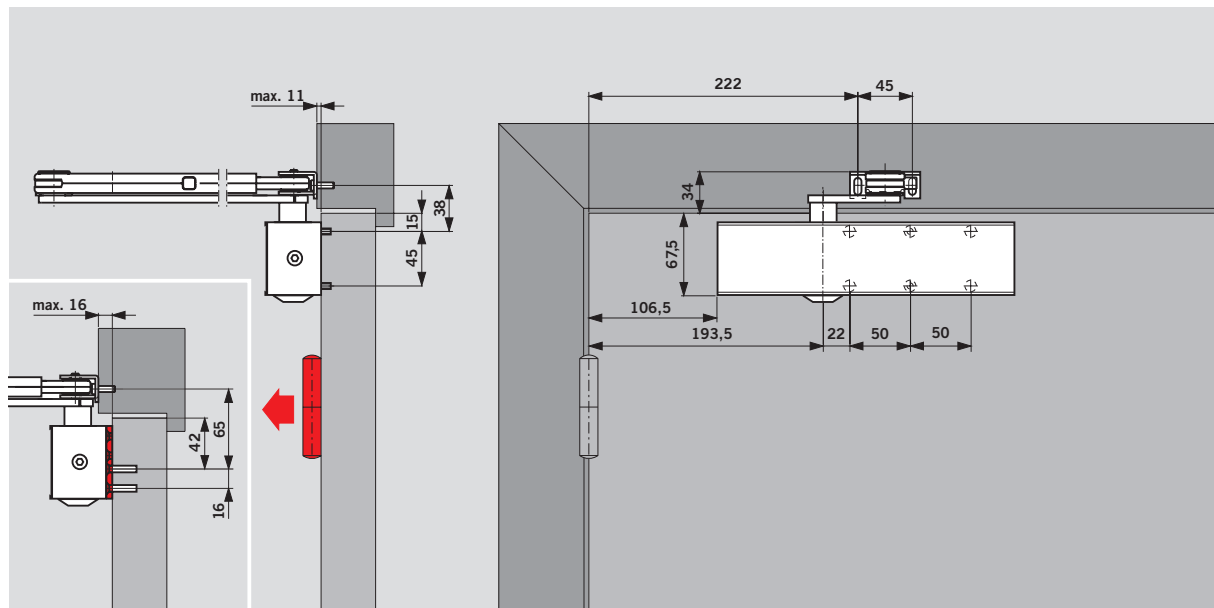
Door leaf fixing, push side, parallel arm installation

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



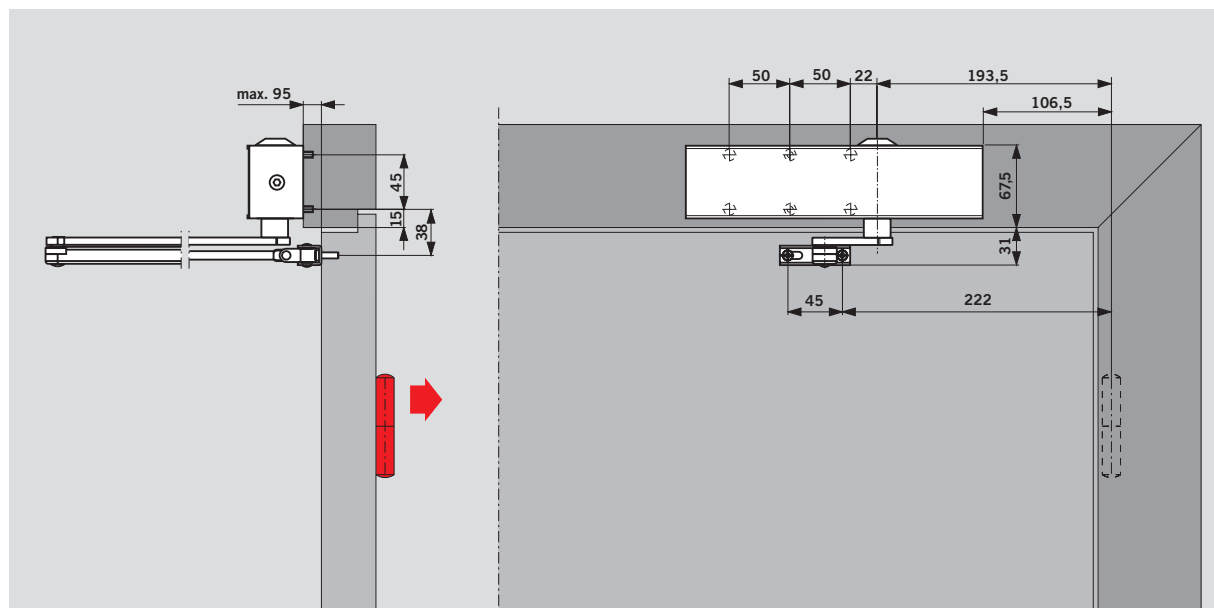
Door leaf fixing with hold-open arm, pull side

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



Transom fixing, push side

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



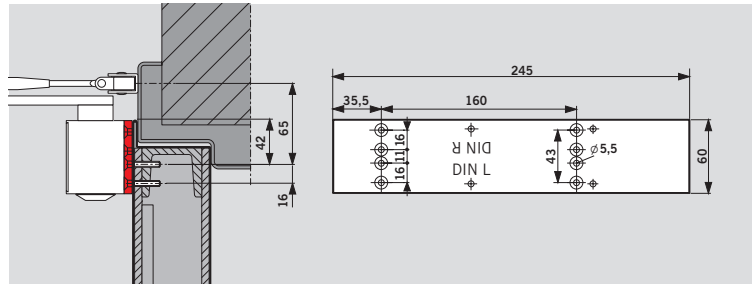
In the case of fire doors, door closers may only be transom-fixed where appropriate approval has been obtained in the form of a certificate or test report issued by an accredited testing agency.

Transom fixing:

With transom-fixed closers, the backcheck only responds at between 85° and 90°, depending on the depth of reveal and type of door hinge involved; the delayed action, on the other hand, releases the door at an earlier point in its closing sweep.

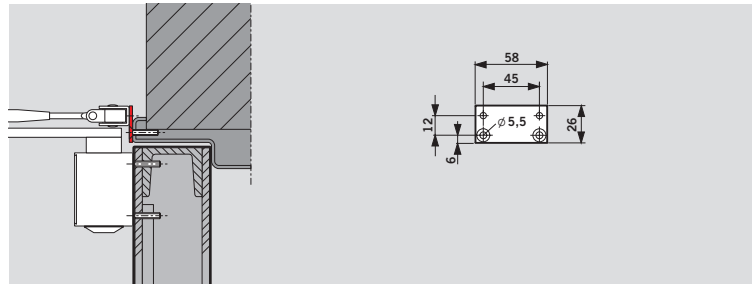
Mounting backplate

For use with fire and smoke check doors and also as an intermediate plate when direct fixing to the door is not possible; with fixing hole pattern to EN 1154, supplement 1.



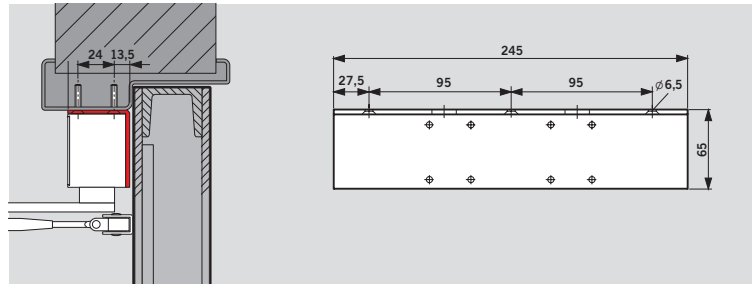
Arm bracket adapter plate

For fixing the arm bracket to particularly narrow door frames.



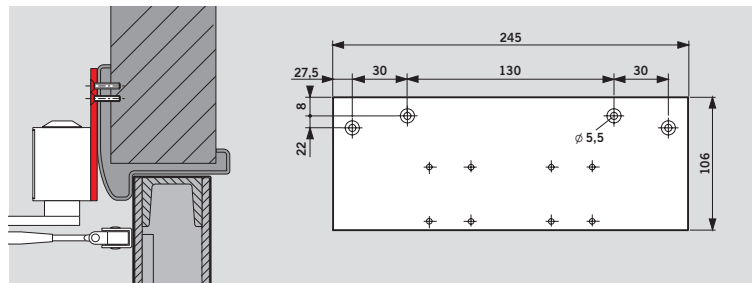
Angle bracket

For frame/lintel fixing of the closer on the push side of doors with deep reveals.



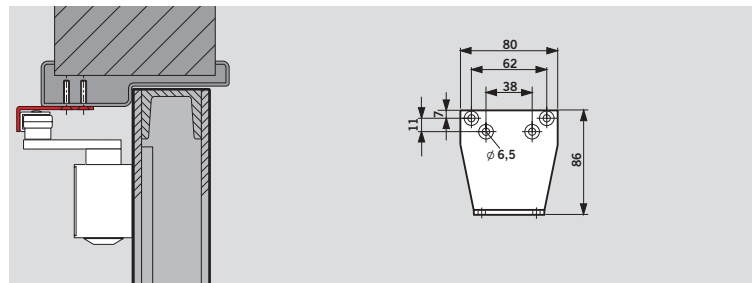
Drop plate

For installation on frame when direct fixing of closer is not possible.



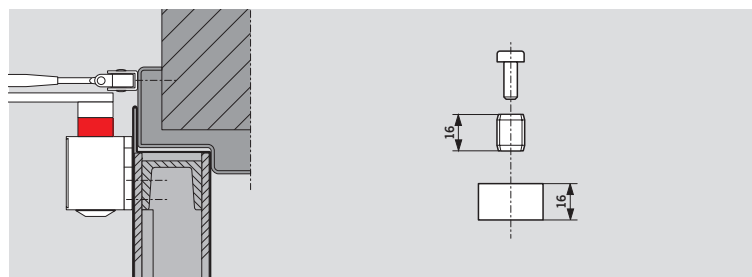
Parallel arm bracket




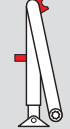
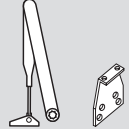
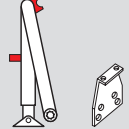
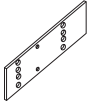

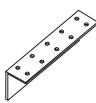
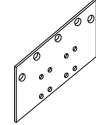


For parallel arm installation on the push side (see fixing instructions for dimensions).



Spindle extension

For increasing the distance between the closer and the arm assembly in the case of doors with a high overlap; 16 mm high.



Door closer and arm					
Closer body TS 73 V 	Standard arm  □ 220023xx	Flat-form arm  □ 830001xx	Hold-open arm with on/off switch  □ 220030xx	Standard arm + parallelarm bracket 	Hold-open arm with on/off switch + parallelarm bracket 
Size EN 1 – 4 BC/ÖD+DC/SV ■ 370201xx*	□	□	□		
Size EN 1 – 4 BC/ÖD+DC/SV				■	■
				370204xx	370233xx
Accessories					
Mounting backplate  380001xx	Arm bracket adapter plate  830014xx	Angle bracket  380003xx	Drop plate  380002xx	Parallel arm bracket  280066xx	Spindle extension 16 mm  83003705
#	#	#	#	#	#

Order No.:
 ■ = Body only
 □ = Arm only
 ■□ = Closer with arm, complete
 # = Optional accessory

Colour xx
 silver 01
 brass 02
 *only available in silver (01)


Specification text

DORMA TS 73 V rack and pinion door closer; with adjustable power size EN 1 – 4, according to EN 1154, carries the CE mark, integral self-regulating backcheck and adjustable delayed action; closing speed adjustable in two independent ranges and adjustable latch action. Non-handed.

Model
 □ with standard arm
 □ with flatform arm
 □ with hold-open arm with switch

Accessories

Colour
 □ silver
 □ brass

Model make
 TS 73 V EN 1-4
 TS73VEN1-4