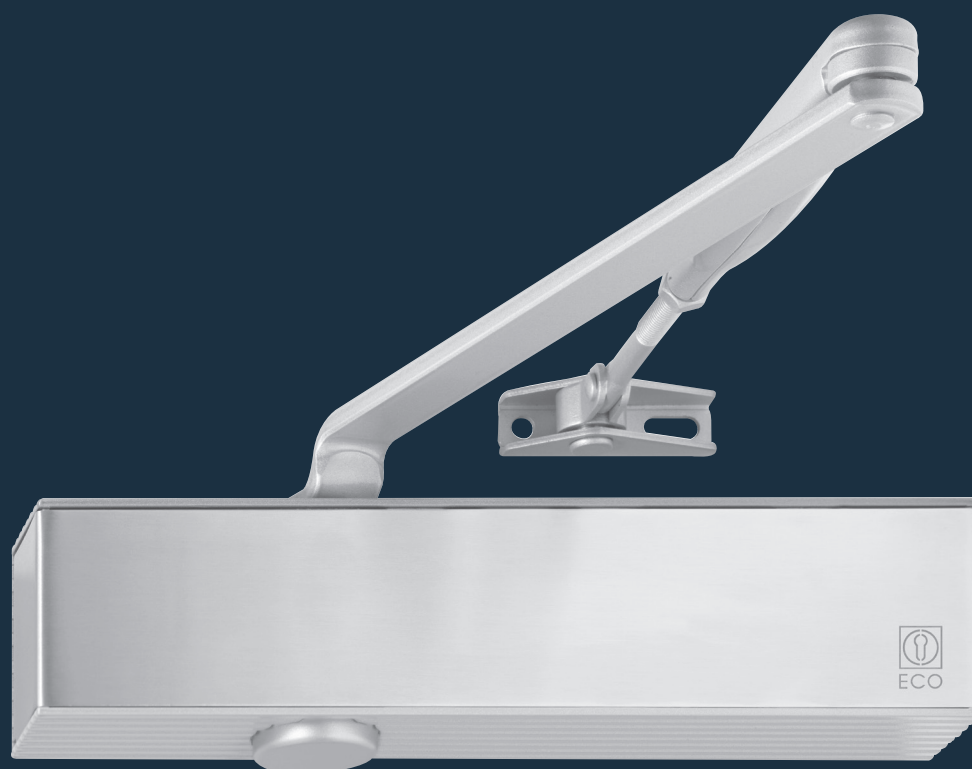


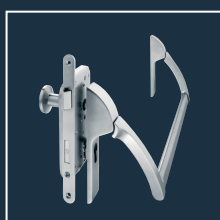
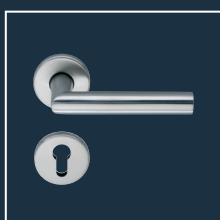
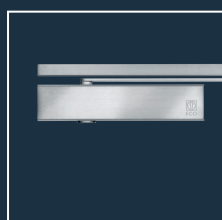
ECO **Newton** TS-20



Product information



■ SYSTEM TECHNOLOGY FOR THE DOOR

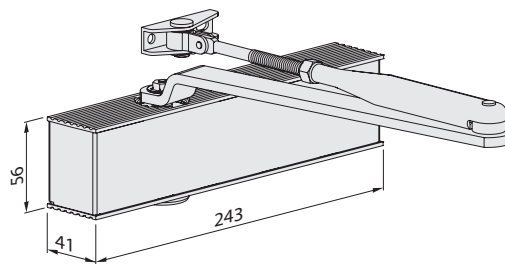


SWISSDOOR
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Product characteristics

Closing force (stepwise adjustable)	Size acc. to EN	2/3/5
Door width	acc. to EN ≤ 1.250 mm	■
Dimensions (incl. mounting plate)	Length in mm	243
	Depth in mm	41
	Height in mm	56
Mounting plate acc. to EN 1154 A (supplementary sheet 1)		□
Hinge side and hinge-opposite side		■
DIN left / right		■
Back-check (constant)		■
Latching Speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Delayed action (continuously adjustable)		-
Tested acc. to EN		EN 1154 A
Suitable for fire- and smoke control doors		F
Certified according to EU-Directive		CE

- Yes
- No
- Option



Dimensions: TS-20



ECO Newton TS-20 ■ Highlights at a glance



*optional

Details regarding the ECO Newton Highlights can be found in the intro of this chapter.



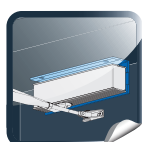
Body: Silver RAL 9006
ECOcllic: Stainless steel polished or satin

Body + ECOcllic: White RAL 9016

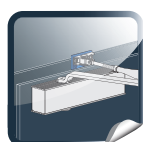
Body + ECOcllic: Black RAL 9005

Body + ECOcllic: Brown RAL 8014

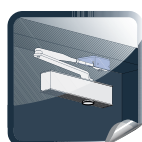
Slide rail and arm are always delivered in the same colour as the ordered door closer body.



Under-lintel angle for door closer



Adaptor profile



Angle bracket for parallel arm mounting

Order information

ECO Newton TS-20 ■ Door closer with standard arm

Product information

Closing force 2 / 3 / 5, tested acc. to **EN 1154 A** (for door widths up to 1.250 mm) adjustable by moving the door closer. Latching speed and closing speed continuously adjustable. Back-check constant. Same version DIN left and DIN right. Mounting height only 41 mm. Weight: 1.320g. Max. door opening angle: 180°

- ECOunity: The ECO Newton closer portfolio covers all door dimensions with only two basic closer units.
- ECOclic: The stainless steel cover encloses the aluminium body with the power of spring steel and conceals all of the adjusting elements, thus securing the closer against unauthorized access.
- ECOvalve: Simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional Allen key.
- ECOcover²: Optional stainless steel cover for the ECO Newton door closers.
- ECOgreen: The intelligent construction and carefully planned use of materials help considerably to save resources

Pull side: standard mounting on door leaf. Push side: head mounting on door frame.



The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size EN 5.

Article numbers



Door closer with standard arm	Colour	Article number	Door closer without standard arm	Colour	Article number
TS-20 (2/3/5)	Silver RAL 9006*	302052F11A71010	TS-20 (2/3/5)	Silver RAL 9006*	352052F11A00010
TS-20 (2/3/5)	White RAL 9016	302052F11E71010	TS-20 (2/3/5)	White RAL 9016	352052F11E00010
TS-20 (2/3/5)	Brown RAL 8014	302052F11D71010	TS-20 (2/3/5)	Brown RAL 8014	352052F11D00010
TS-20 (2/3/5)	Black RAL 9005	302052F11G71010	TS-20 (2/3/5)	Black RAL 9005	352052F11G00010

*Door closer body in silver RAL 9006, ECOclic stainless steel satin or polished as option



The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size EN 5.



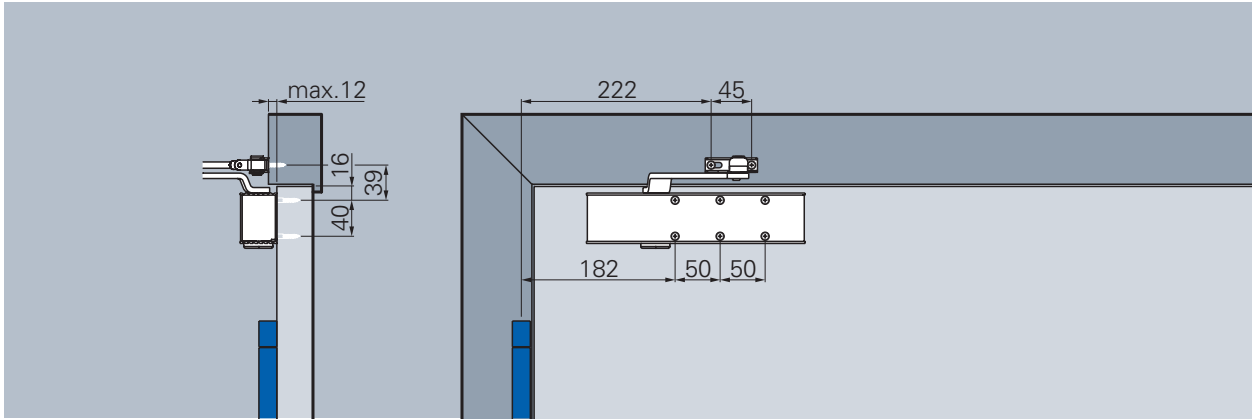
ECO Newton Highlights in detail.

Intelligent stainless steel cover:

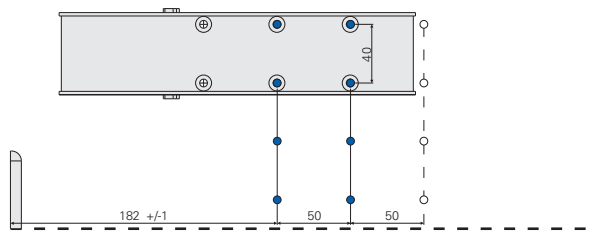
ECOclic envelops the aluminium body unit with the power of spring force. The cover conceals all of the adjusting elements and cannot be removed without tools, thus securing the closer against unauthorized access.

Hinge side

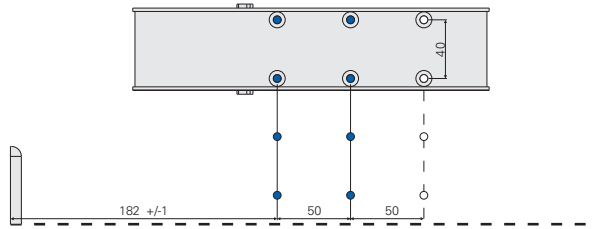
Illustration DIN left door, DIN right laterally reversed



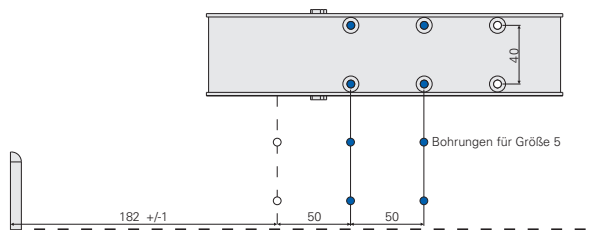
Standard mounting, hinge side (direct mounting, without mounting plate)



Closing force EN 2



Closing force EN 3

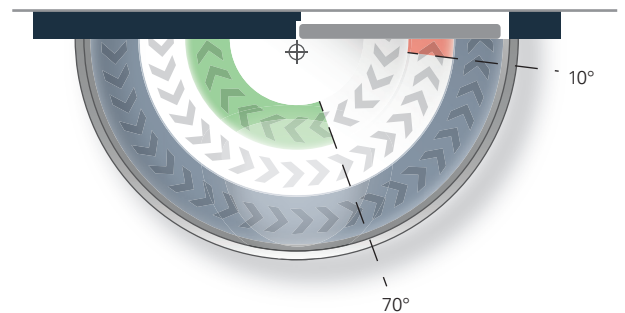


Closing force EN 5

Closing force

The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size **EN 5**.

Closing force diagram ECO Newton TS-20, hinge side



Closing speed

Continuously adjustable closing speed from approx. 180° to 0°

Latching speed

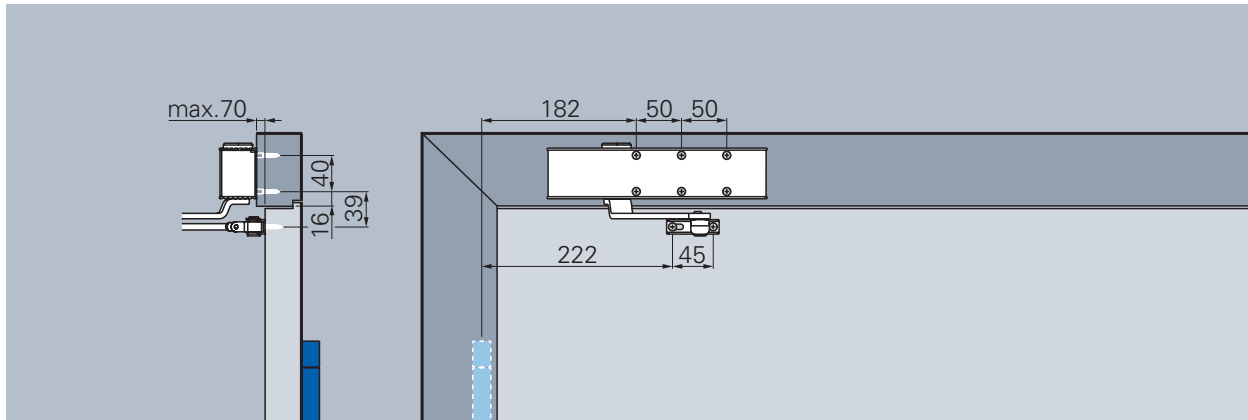
Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°

Back-check

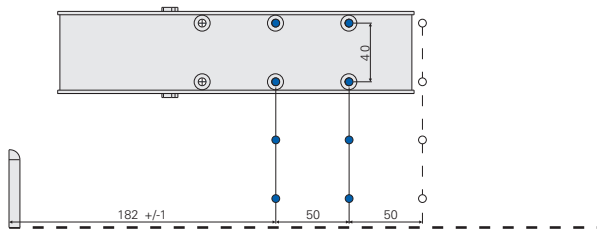
Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed

Hinge-opposite side

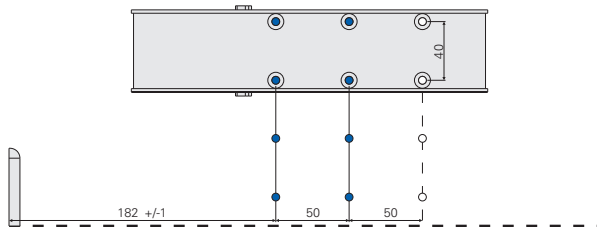
Illustration DIN right door, DIN right laterally reversed



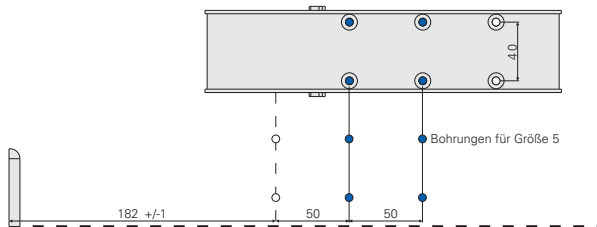
Head mounting, hinge-opposite side (direct mounting, without mounting plate)



Closing force EN 2



Closing force EN 3

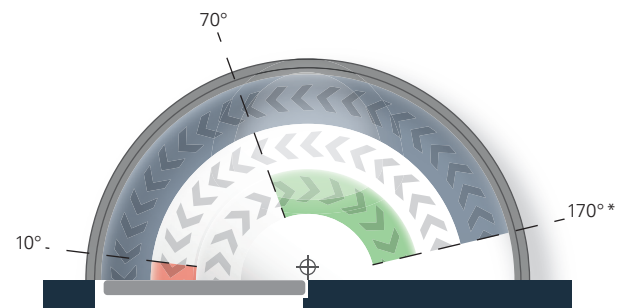


Closing force EN 5

Closing force

The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size EN 5.

Closing force diagram Newton TS-20, hinge-opposite side



Closing speed

Continuously adjustable closing speed from approx. 170°* to 0°

Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°

Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed

Note!:

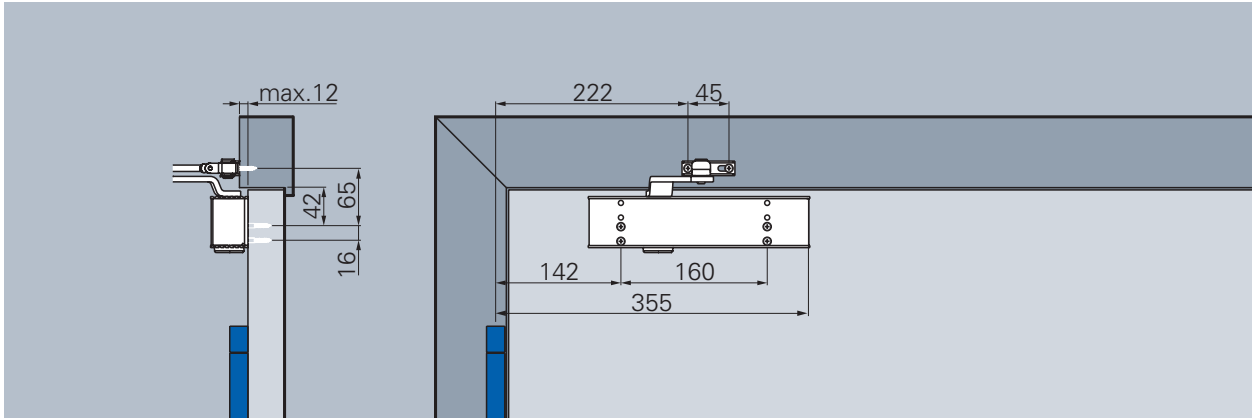
Back-check out of order for head-mounting / mounting on hinge-opposite side

*Varies according to door thickness and type of hinge

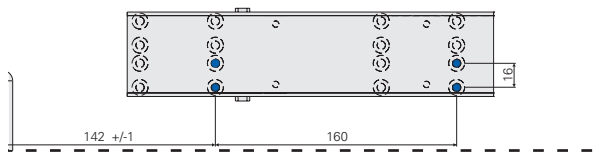
A door stopper for opening limit is a must!

Hinge side

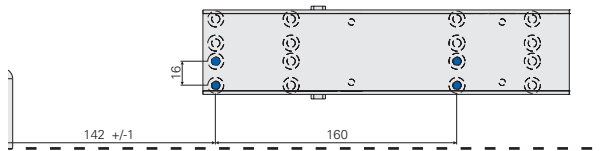
Illustration DIN left door, DIN right laterally reversed



Standard mounting, hinge side (with optional mounting plate, with DIN holes)

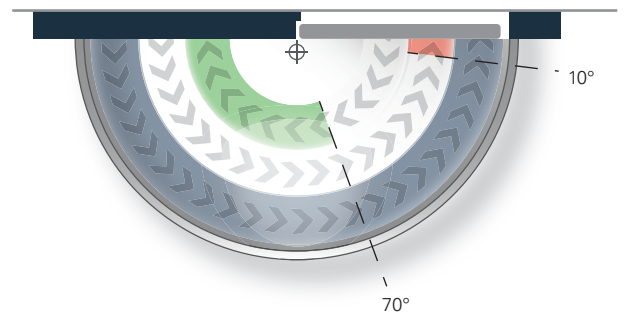


Closing force EN 3



Closing force EN 5

Closing force diagram ECO Newton TS-20, hinge side



Closing speed

Continuously adjustable closing speed from approx. 180° to 0°

Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°

Back-check

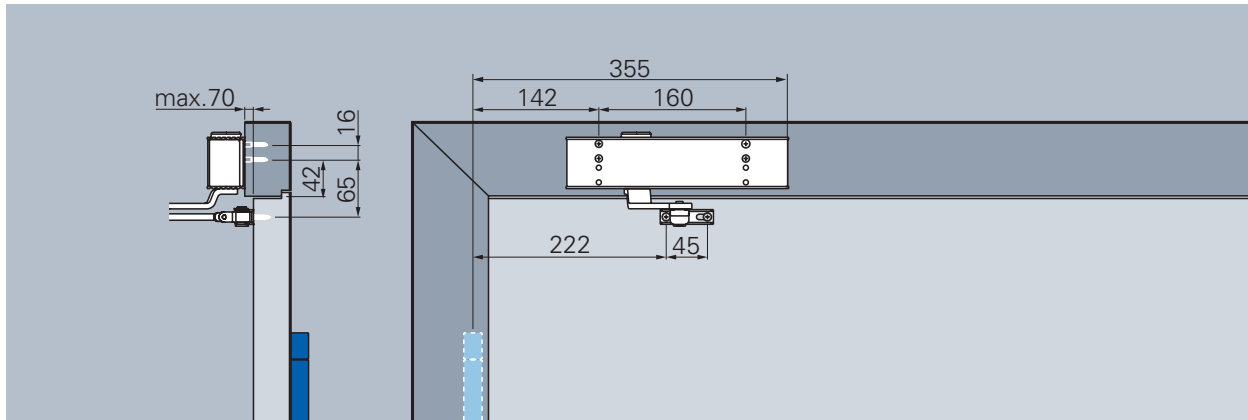
Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed

Closing forces

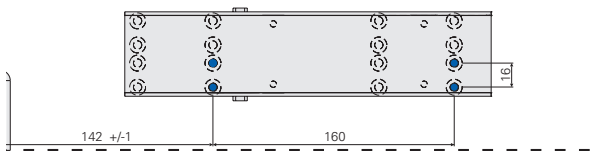
The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size **EN 5**.

Hinge-opposite side

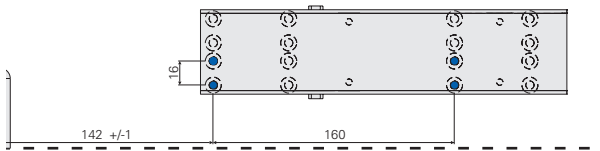
Illustration DIN right door, DIN right laterally reversed



Head mounting, hinge-opposite side (with optional mounting plate, with DIN holes)

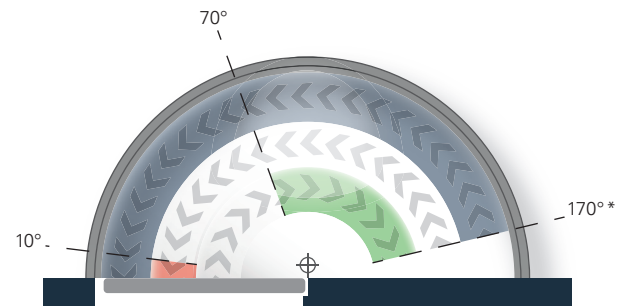


Closing force EN 3



Closing force EN 5

Closing force diagram Newton TS-20, hinge-opposite side



Closing speed

Continuously adjustable closing speed from approx. 170°* to 0°

Latching speed

Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 0°

Back-check

Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed

Closing forces

The different sizes are reached by moving the door closer on the door leaf. Additional drilling only necessary for size **EN 5**.

Note!:

Back-check out of order for head-mounting / mounting on hinge-opposite side

*Varies according to door thickness and type of hinge

A door stopper for opening limit is a must!

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