

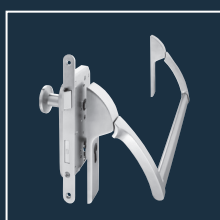
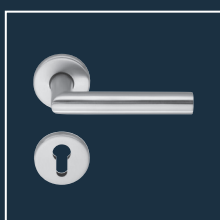
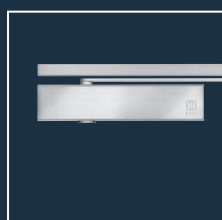
ECO **Newton** TS-51



Product information



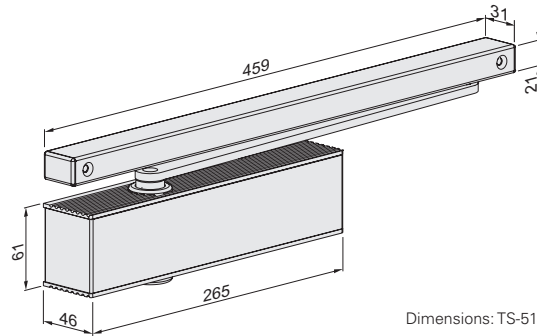
■ SYSTEM TECHNOLOGY FOR THE DOOR



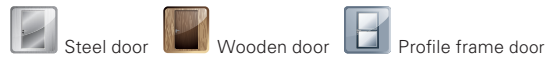
Product characteristics

Closing force (continuously adjustable)	Size acc. to EN	1 - 4
Door width	acc. to EN ≤ 1.100 mm	■
Dimensions (incl. mounting plate)	Lengths in mm Depth in mm Height in mm	265 46 61
Mounting plate acc. to EN 1154 (supplementary sheet 1)		■
Hinge side and hinge-opposite side		□
DIN left / right		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back-check (continuously adjustable)		■
Tested acc. to EN	EN 1154	
Suitable for fire-and smoke control doors	F	
Certified according to EU-directive	CE	

- Yes
- No
- Option



Dimensions: TS-51



ECO Newton TS-51 - Order information



*optional

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



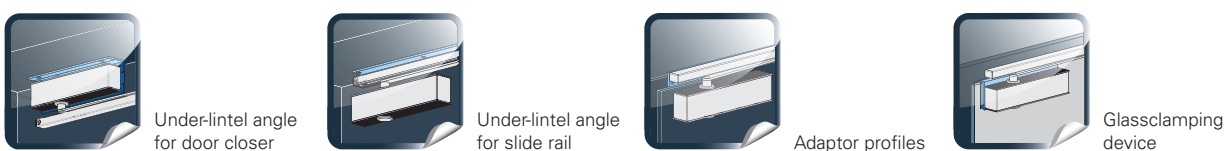
Body: Silver RAL 9006
ECOcllic: Stainless steel polished or satin

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.



Order information

ECO **Newton** TS-51 ■ Door closer with slide rail

Product information

Closing force 1-4, tested acc. to **EN 1154** (for door widths up to 1.100 mm) continuously adjustable. Latching speed, closing speed and back-check continuously adjustable. Same version DIN left and DIN right. Mounting height with mounting plate only 46 mm. Door opening angle: 180°

- **ECOunity**: The ECO **Newton** closer portfolio covers all door dimensions with only two basic closer units.
- **ECOphysis**: Door closer and slide rail build a unit in aluminium and stainless steel
- **ECOcllic**: 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.
- **ECOmout**: Mounting plate according to **EN 1154** is completely covered by the door closer
- **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 and related slide rails. Please order the lever arm in stainless steel look for the perfect overall appearance.
- **ECOline**: The mounted slide rail and door closer are flush when the door is closed. The colours of all materials are perfectly matched- right down to the end caps of the slide rail.
- **ECOvario**: Allows the use of all slide rail door closers and can even be combined with different door leaf widths. In this way, optimum value for money can be achieved for each individual door situation.

New Packaging:

Set incl. door closer body, slide rail B, arm for slide rail B, allen key, mounting plate, mounting instructions, paper template and fixing material.

Article numbers

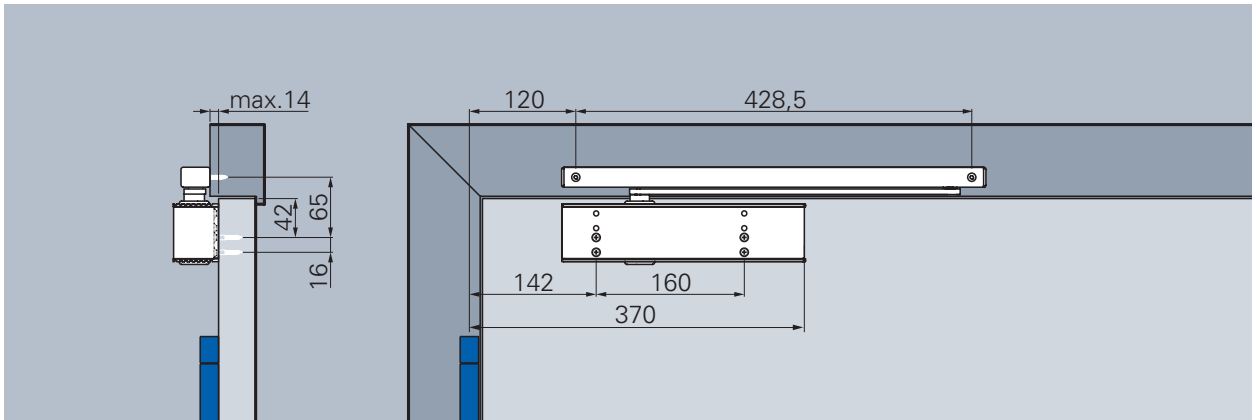


Hinge side Closer body with arm and slide rail B			Hinge-opposite side Closer body with arm, without slide rail B		
Colour	Article number		Colour	Article number	
Silver RAL 9006*	305153EA1A01010	TS-51 B (1 - 4)	Silver RAL 9006*	356153EA1A00210	TS-51 B (1 - 4)
White RAL 9016	305153EA3E01010	TS-51 B (1 - 4)	White RAL 9016	356153EA3E00210	TS-51 B (1 - 4)
Brown RAL 8014	305153EA3D01010	TS-51 B (1 - 4)	Brown RAL 8014	356153EA3D00210	TS-51 B (1 - 4)
Black RAL 9005	305153EA3G01010	TS-51 B (1 - 4)	Black RAL 9005	356153EA3G00210	TS-51 B (1 - 4)

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

Hinge side

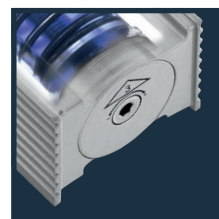
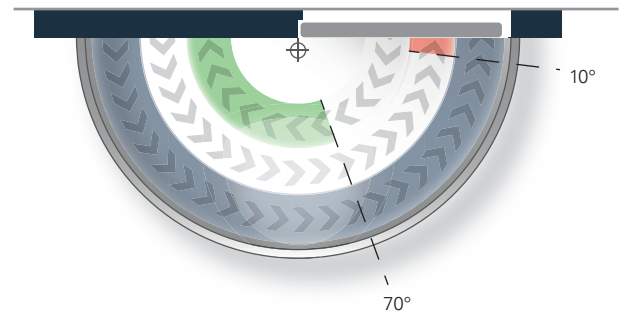
Mounting with slide rail B, illustration DIN left door, DIN right laterally reversed



Standard mounting TS-51 with slide rail B, 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 continuously adjustable

Closing force diagram ECO **Newton** TS-51, hinge side



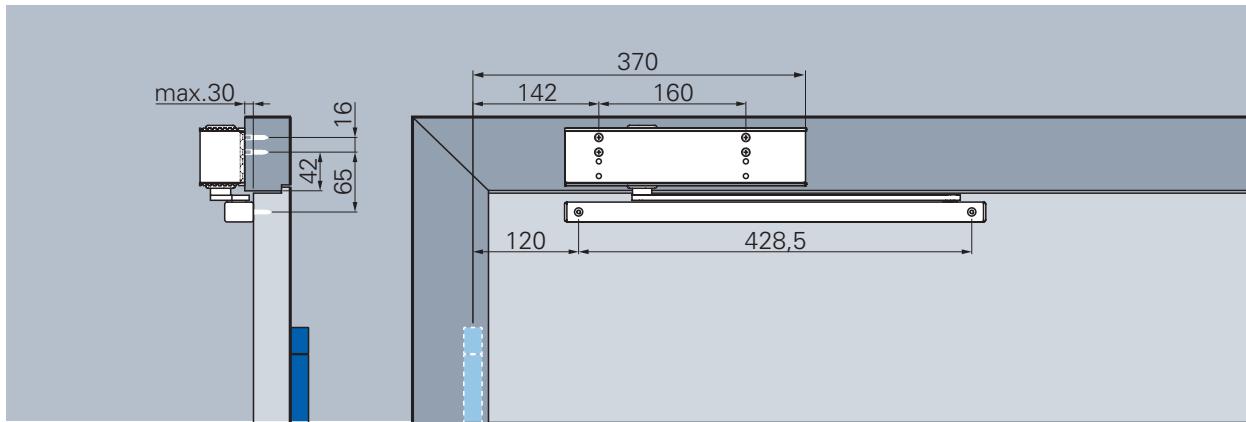
Closing force:

Continuously adjustable min. size 1
max. size 4

Default delivery condition: size 3

Hinge-opposite side

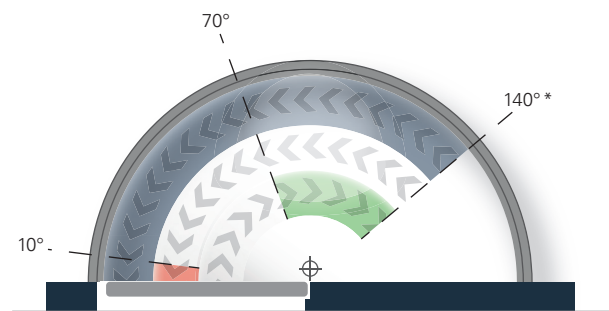
Mouting with slide rail B, illustration DIN left door, DIN left laterally reversed



Head mounting TS 51 with slide rail B, hinge-opposite side

- Closing speed**
 Continuously adjustable closing speed from approx. 140°* 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 continuously adjustable. Back-check out of order for head mounting / hinge-opposite side

Closing force diagram ECO Newton TS-51, hinge-opposite side



*Varies according to door thickness and type of hinge.

A door stopper for opening limit is a must!

Back-check out of order for head mounting.



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