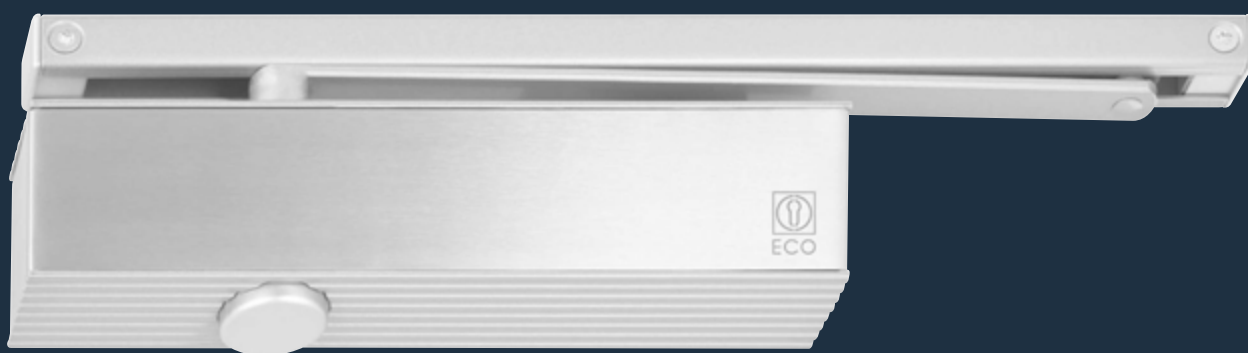


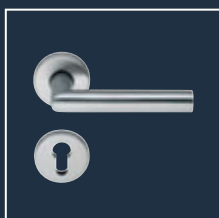
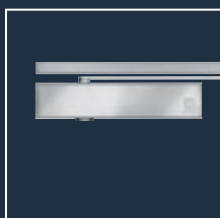
ECO **Newton** TS-31



## Product information



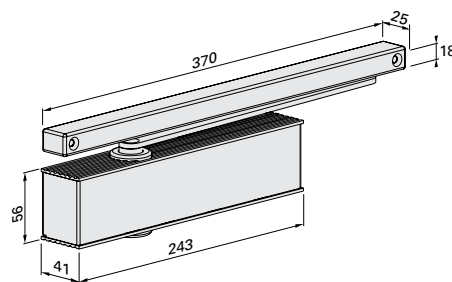
### ■ SYSTEM TECHNOLOGY FOR THE DOOR



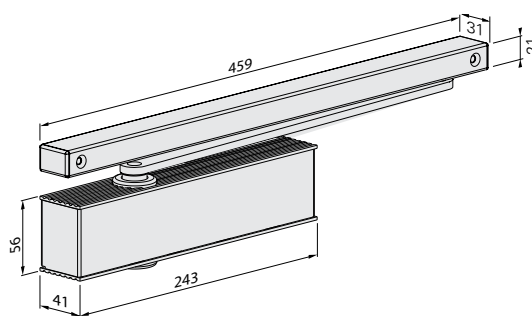
**Product characteristics**

Closing force (continuously adjustable)	Size acc. to EN	1 - 3
Door width	acc. to EN ≤ 950 mm	■
Dimensions (incl. mounting plate)	Length in mm	243
	Depth in mm	41
	Height in mm	56
Mounting plate acc. to <b>EN 1154 A</b> (supplementary sheet 1) with GS B		□
Hinge-side and hinge-opposite side		■
DIN left / right		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back-check (constant)		■
Delayed action (continuously adjustable)		-
Tested acc. to EN		<b>EN 1154 A</b>
Suitable for fire- and smoke control doors		<b>F</b>
Certified according to EU-Directive		<b>CE</b>

- Yes
- No
- Option

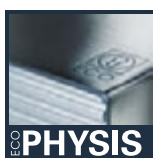


Dimensions: TS-31 with slide rail K



Dimensions: TS-31 with slide rail B

**ECO Newton TS-31 ■ Highlights at a glance**

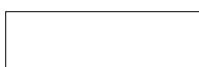


\*optional

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.

# Order information

## ECO Newton TS-31 ■ Door closer with slide rail

### Product information

Closing force 1-3, tested acc. to **EN 1154 A** (for door widths up to 950 mm) continuously adjustable. Latching speed and closing speed continuously adjustable from the side. Same version DIN left and DIN right. Mounting height only 41 mm. Weight: 1.380. Max. door opening angle: 180°

- **ECOunity:** The ECO Newton closer portfolio covers all door dimensions with only two basic closer units. One execution for all four mounting types
- **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:** Optional mounting plate according to **EN 1154**, supplementary sheet 1 - only with slide rail B
- **ECOvalve:** Simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional Allen key.
- **ECOcover<sup>2</sup>:** 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.
- **ECOGreen:** The intelligent construction and carefully planned use of materials help considerably to save resources
- **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 K
- **ECOvario:** permits 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.



When ordering a closing sequence selector, please order the respective arm B for ECO Newton TS-31

### Article numbers



Door closer slide rail K	Colour	Article number	Door closer without slide rail	Colour	Article number
TS-31 K (1-3)	Silver RAL 9006*	303152E11A09010	TS-31 (1-3)	Silver RAL 9006*	353152E11A09010
TS-31 K (1-3)	White RAL 9016	303152E11E09010	TS-31 (1-3)	White RAL 9016	353152E11E09010
TS-31 K (1-3)	Brown RAL 8014	303152E11D09010	TS-31 (1-3)	Brown RAL 8014	353152E11D09010
TS-31 K (1-3)	Black RAL 9005	303152E11G09010	TS-31 (1-3)	Black RAL 9005	353152E11G09010

Door closer slide rail B	Colour	Article number
TS-31 B (1-3)	Silver RAL 9006*	353152F11A00010 + 350120000A00500
TS-31 B (1-3)	White RAL 9016	353152F11E00010 + 350120000E00500
TS-31 B (1-3)	Brown RAL 8014	353152F11D00010 + 350120000D00500
TS-31 B (1-3)	Black RAL 9005	353152F11G00010 + 350120000G00500

\*Door closer body in silver RAL 9006, ECOcllic stainless steel satin, polished on request

# ECO COVER<sup>2</sup>



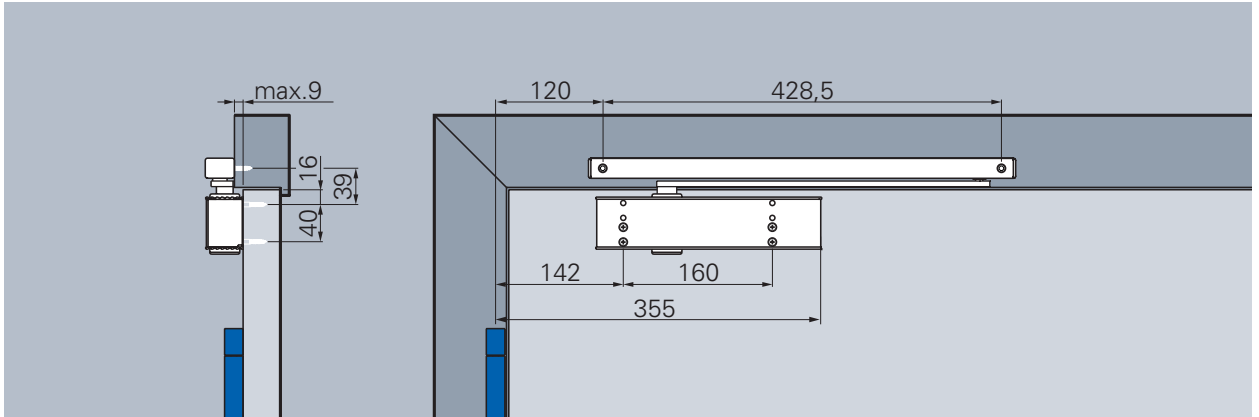
## ECO Newton Highlights in detail.

### **Stainless steel full cover:**

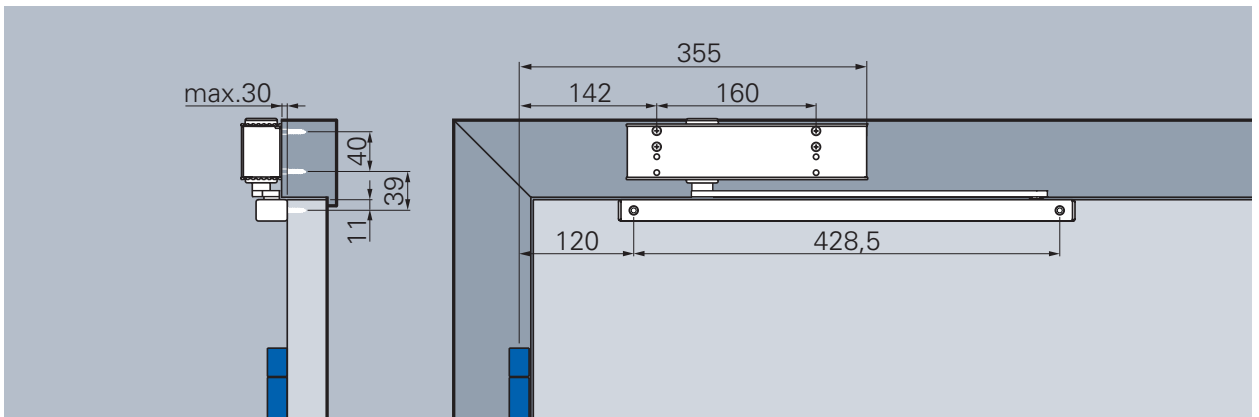
The full cover is an optional stainless steel cover for the ECO Newton door closers and related slide rails. The overall appearance is perfected by a lever arm with a stainless steel look. A cover for the closer body is available for standard arm door closers.

# Hinge side

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



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



Head mounting with slide rail B, hinge side (with optional mounting plate with DIN holes)

## Closing speed

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

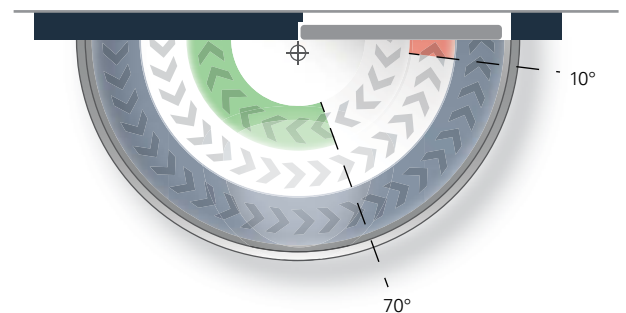
## Latching speed

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-31, hinge side



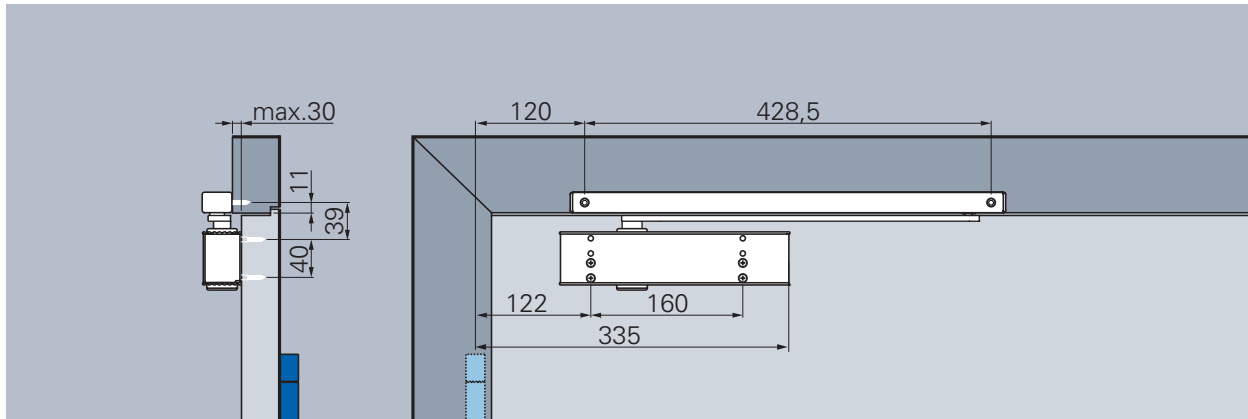
### Closing force:

**Continuously adjustable** min. size 1  
max. size 3

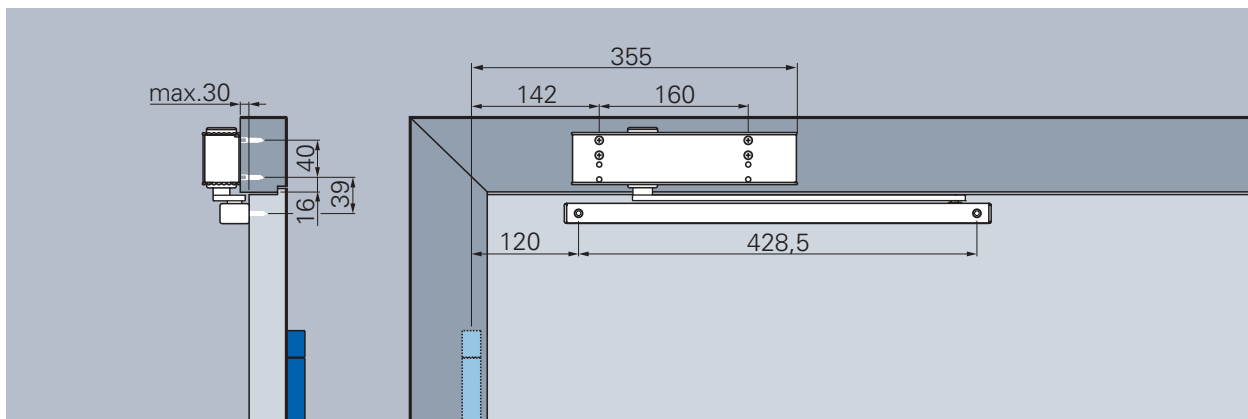
**Default delivery condition:** size 3

# Hinge-opposite side

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



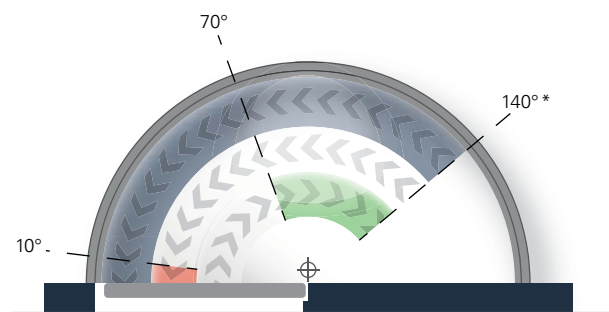
Standard mounting with slide rail B, hinge-opposite side (with optional mounting plate with DIN holes)



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

- 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

Closing force diagram ECO Newton TS-31, hinge-opposite side



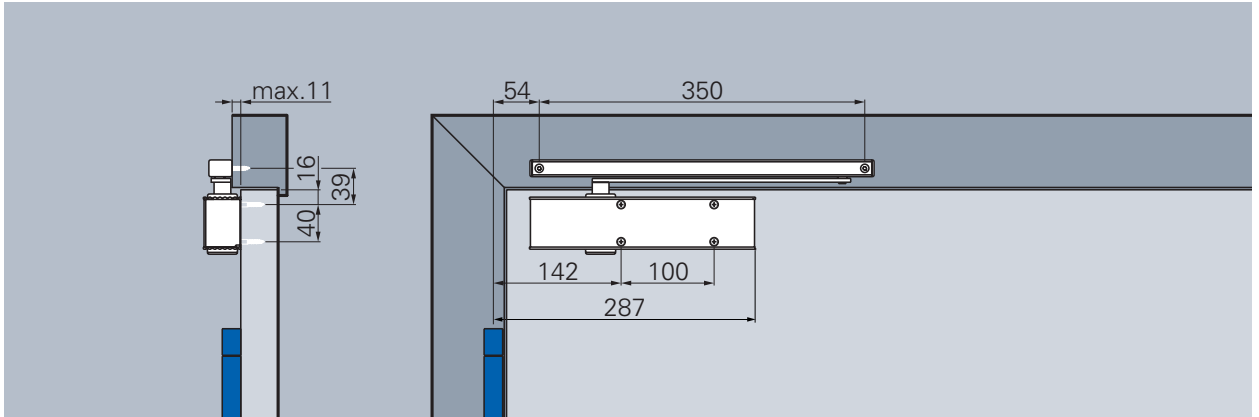
**Note!:**  
**Back-check out of order for head-mounting / mounting on hinge-opposite side**

\*Varies according to door thickness and type of hinge

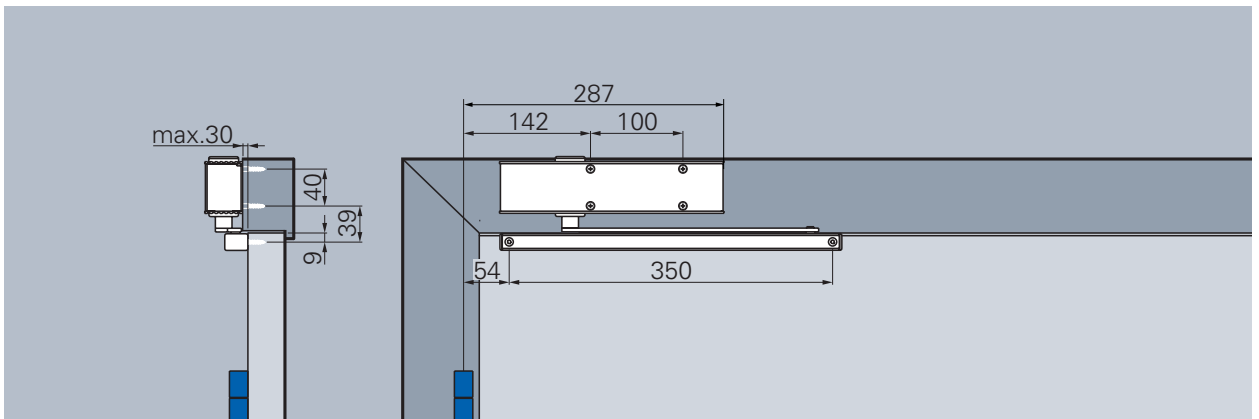
**A door stopper for opening limit is a must!**

# Hinge side

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



Standard mounting with slide rail K, hinge side (direct mounting, without mounting plate)



Head mounting with slide rail K, hinge side (direct mounting, without mounting plate)

## Closing speed

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

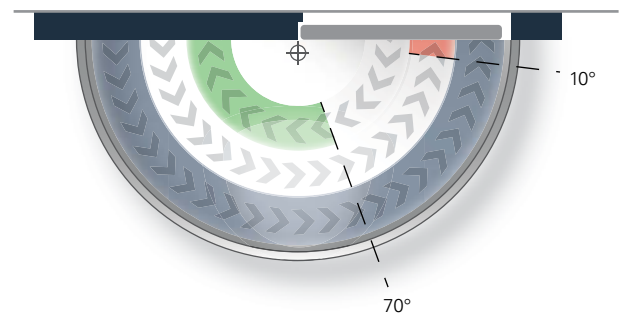
## Latching speed

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 force diagram ECO Newton TS-31, hinge side



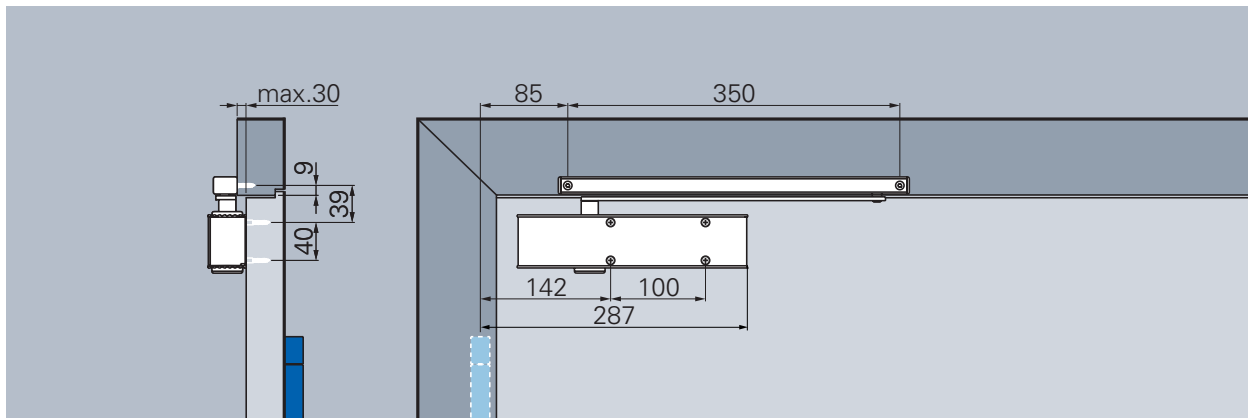
### Closing force:

**Continuously adjustable** min. size 1  
max. size 3

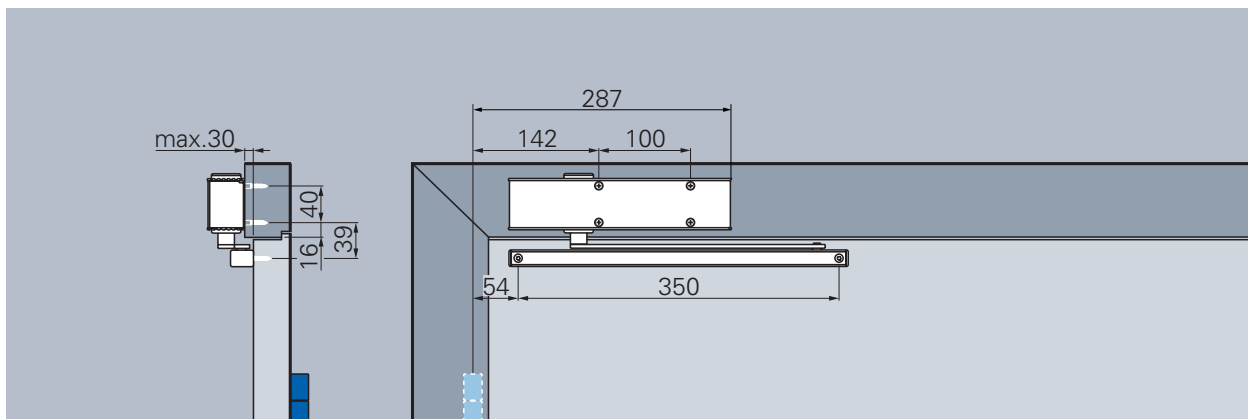
**Default delivery condition:** size 3

# Hinge-opposite side

Mounting with slide rail K, illustration DIN right-door, DIN right laterally reversed



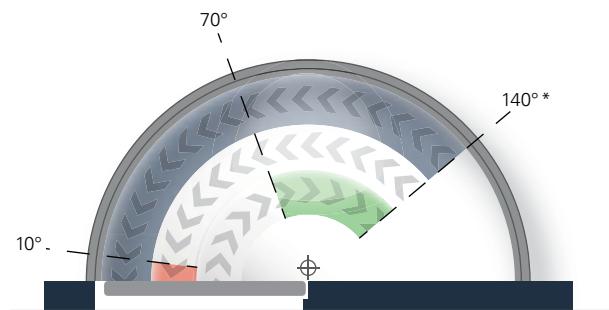
Standard mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)



Head mounting with slide rail K, hinge-opposite side (direct mounting, without mounting plate)

- 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 fixed

Closing force diagram ECO Newton TS-31, hinge-opposite side



**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!**



ECO Schulte GmbH & Co. KG  
Iserlohner Landstraße 89  
D - 58706 Menden

Telefon: +49 2373/9276-0  
Fax: +49 2373/9276-40

[info@eco-schulte.de](mailto:info@eco-schulte.de)  
[www.eco-schulte.de](http://www.eco-schulte.de)

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