

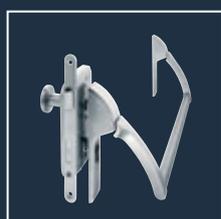
ECO **Newton** TS-20



## Product information



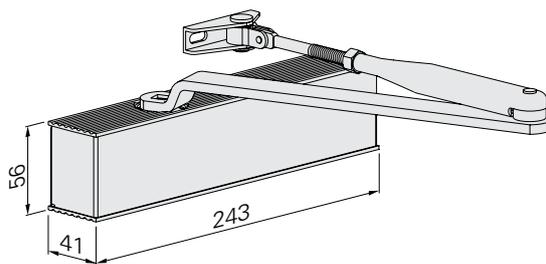
### ■ SYSTEM TECHNOLOGY FOR THE DOOR



**Product characteristics**

|  |                            |       |
|--|----------------------------|-------|
| Closing force (adjustable)                               | Size acc. to EN            | 2/3/5 |
| Door width   | acc. to EN $\leq 1.250$ 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  | <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-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

Standard arm is always delivered in the same colour as the ordered door closer body.

# 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.
- **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.
- **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 closer.
- **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, ECOcllic stainless steel satin, polished on request

ECO **CLIC**



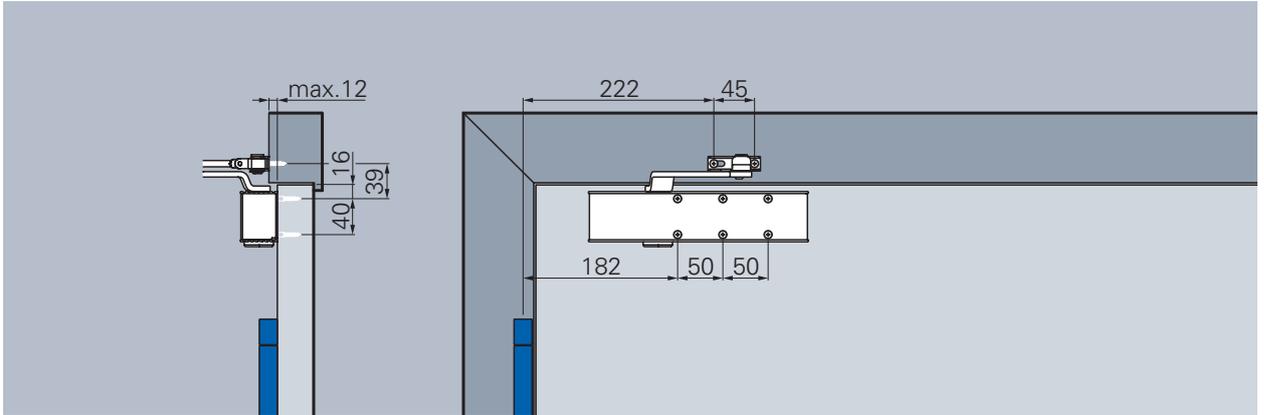
## ECO Newton Highlights in detail.

Intelligent stainless steel cover:

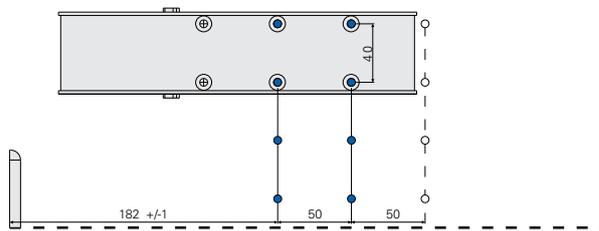
ECOclic envelops the aluminium body unit with the power of spring force. The cover conceals all of the adjusting elements and cannot be removed without tools, thus securing the closer against unauthorized access.

# Hinge side

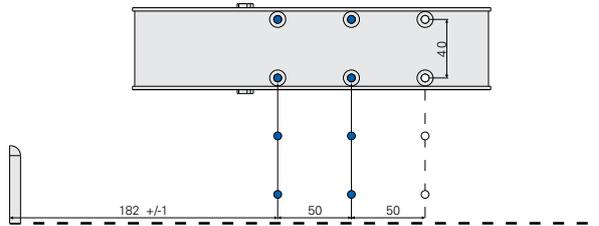
Illustration DIN left-door, DIN right laterally reversed



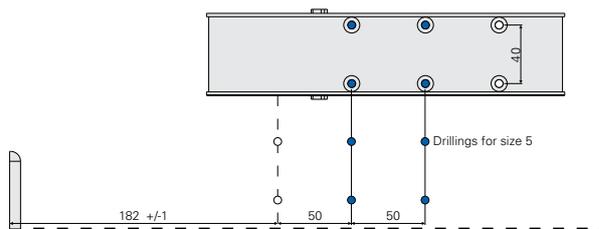
Standard mounting, hinge side (direct mounting, without mounting plate)



**Closing force EN 2**



**Closing force EN 3**

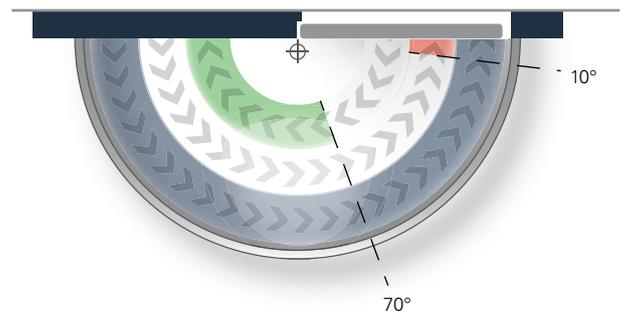


**Closing force EN 5**

## Closing forces

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

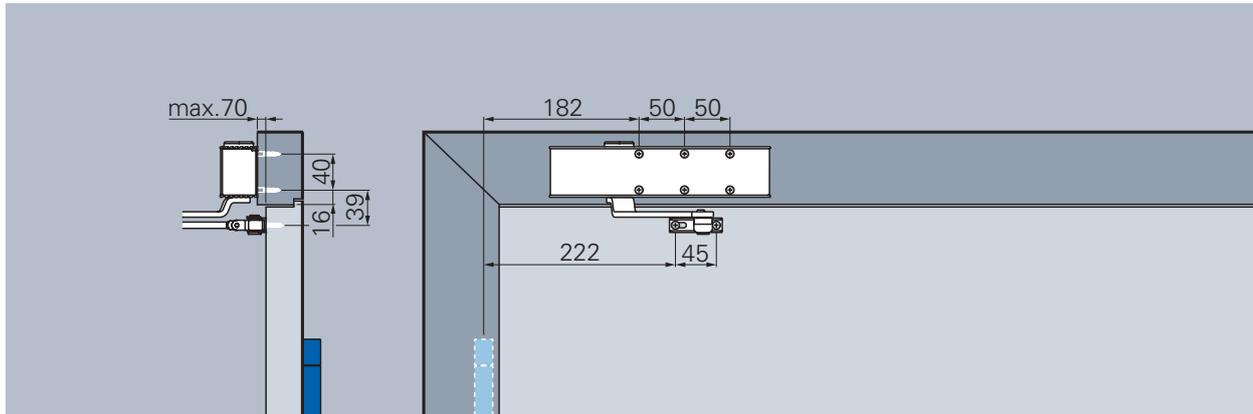
Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continuously adjustable, works between 10 to 90°

## Back-check

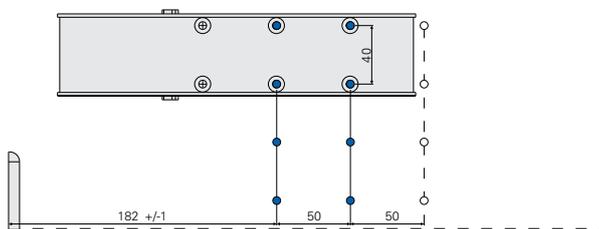
Reduces the opening speed starting at 70° and avoids the slamming of the door. Back-check fixed

# Hinge-opposite side

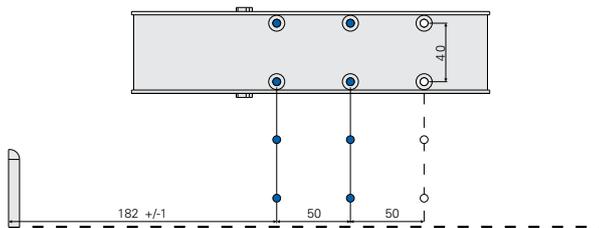
Illustration DIN right-door, DIN right laterally reversed



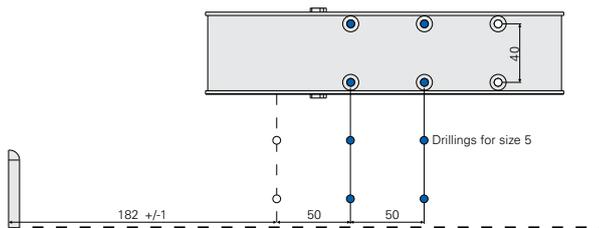
Head mounting, hinge-opposite side (direct mounting, without mounting plate)



**Closing force EN 2**



**Closing force EN 3**

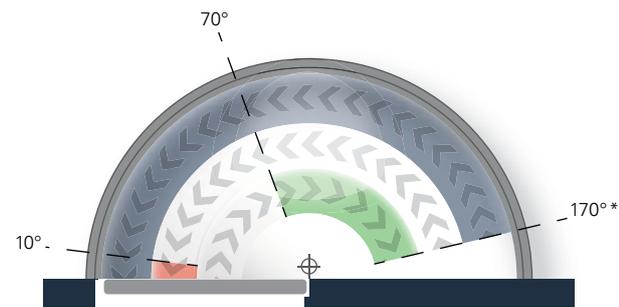


**Closing force EN 5**

## Closing forces

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-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!**

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