Performance criteria

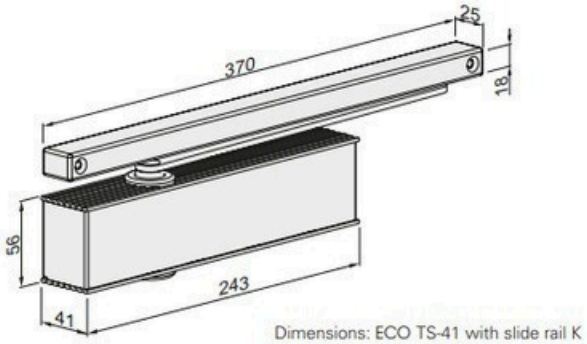
Closing force (continuously adjustable)	according to EN standards	1 – 4
Door width mm	according to EN ≤ 1,100	■
Dimensions (incl. mounting plate)	Length in mm Depth in mm Height in mm	243 41 56
Mounting plate in accordance with **EN 1154** (supplementary sheet 1) with GS H		□
Hinge / hinge-opposite side		■
DIN L / R		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back check (constant)		■
Delayed action (continuously adjustable)		-
Tested to EN standards		EN 1154
Suitable for fire and smoke control doors		F
Certified according to EU regulations		CE
Construction of accessible buildings		DIN 18040

■ Yes
- No
□ Optional

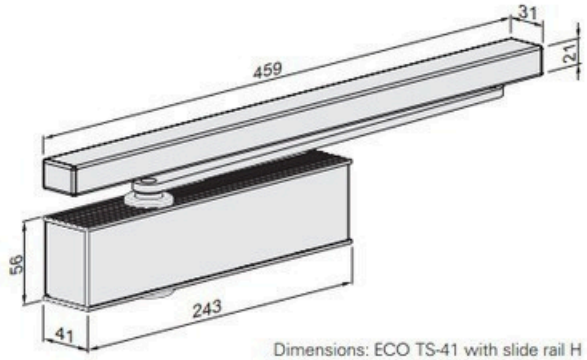

Wooden door


Steel door


Profile door



Dimensions: ECO TS-41 with slide rail K



Dimensions: ECO TS-41 with slide rail H

ECO **Newton** TS-41 ▪ Highlights at a glance

*optional

*optional

Details for ECO Newton highlights can be found at the beginning of this section.

Body: Silver RAL 9006
ECOclic: Stainless steel satin finish

Body + ECOclic: White RAL 9016

Body + ECOclic: Black RAL 9005

Slide rails and lever arms are always delivered in the same colour as the body.

Applications for the ECO Newton TS-41

The ECO **Newton** TS-41 is designed for light to medium functional doors (**EN 1154** size 4) and is used wherever elegant design, functionality, ease of opening and cost-conscious construction are required. Closing speed and latching speed can be freely adjusted, the back-check (from 70° door opening) is already pre-installed in every closer.

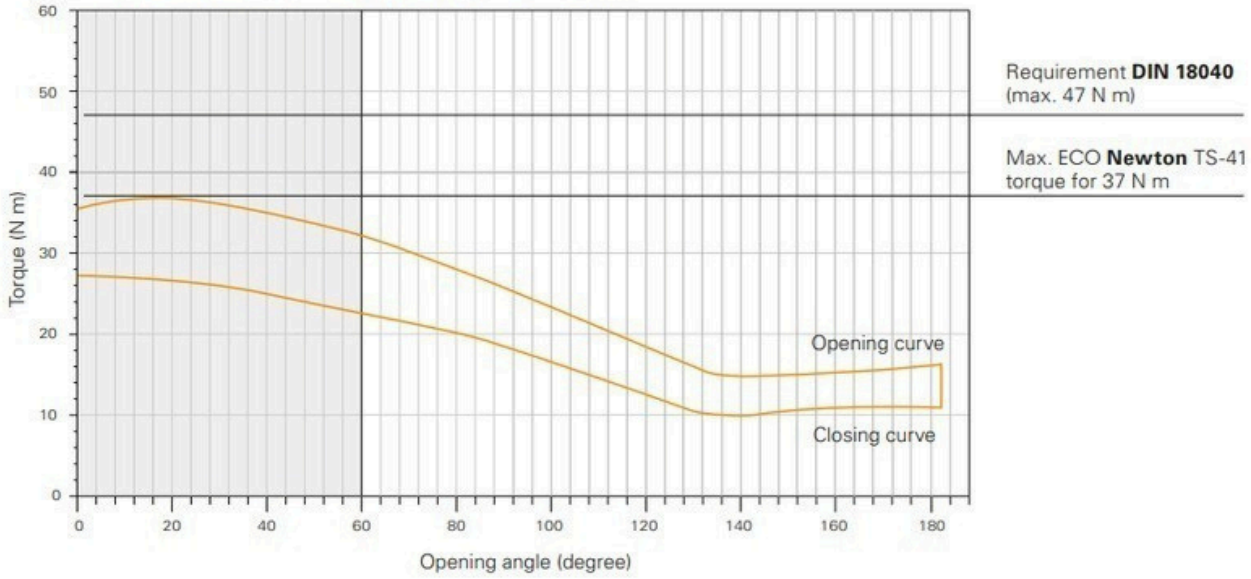
With its new gearing design, the ECO **Newton** TS-41 achieves a high degree of efficiency, which strikes the ideal balance between opening and closing. The forces which arise when a door is opened are reduced to a minimum, without any compromises on the reliability of the door closing. For the user, this means that distinctly less torque is required to open a door in comparison to other similar door closers. This makes the ECO **Newton** TS-41 the perfect problem solver for standard and special-function doors, especially for clinics, care homes, kindergartens and schools.

The ECO **Newton** TS-41 complies with **DIN 18040** (construction of accessible buildings with requirements for highly efficient smooth-running doors). The maximum opening torque at closing force EN 4 is only about 37 N m (the **DIN 18040** standard requires a maximum of 47 N m).

Germany:
DIN 18040 – Construction of accessible buildings

France:
PMR

Torque curve for ECO **Newton** TS-41 (for EN 4)



Extracts from DIN 18040-1:2010-10

4.3.3.3 Requirements on the design of the door

It must be possible to open and close doors with a low force (max. 25 Nm), otherwise, automatic door systems are required, see **DIN 18650-1** and **DIN 18650-2**, according to table 1 in this standard, from line 12. If door closers are required, then they must be set so that the opening torque does not exceed size 3 according to **DIN EN 1154** (max. 47 Nm).

It is recommended to use door closers with continuously adjustable closing force.
So that people with restricted mobility have enough time to pass safely through the door, closing delays may be necessary.
For fire and smoke control doors, hold-open systems (e.g. holding magnet or free swing door closer) should be used.