

Performance criteria

Closing force (continuously adjustable)	according to EN standards	3-6
Door width according to EN standards	≤ 1,400 mm	■
Dimensions (incl. mounting plate)	Length in mm Depth in mm Height in mm	287 49 62
Mounting plate	in accordance with EN 1154 (supplementary sheet 1)	
Height-adjustable slide rail in mm		+/-2
Hinge / hinge-opposite side		□
DIN L / R		■
Latching speed (continuously adjustable)		■
Closing speed (continuously adjustable)		■
Back check (continuously adjustable)		■
Delayed action (continuously adjustable)		■
Tested to EN standards	EN 1154	
Suitable for fire and smoke control doors		F
Certified according to EU regulations		CE

- Yes
 - No
 □ Optional



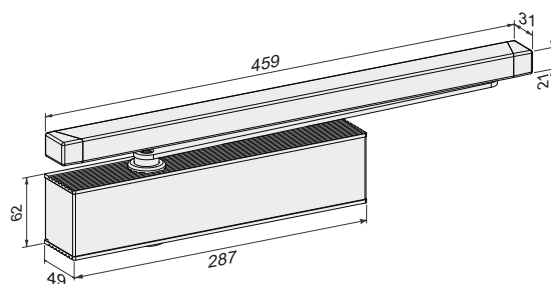
Wooden door



Steel door



Profile door



Dimensions: ECO TS-61 EN 3-6

ECO Newton TS-61 ■ Highlights at a glance



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



Body: Silver RAL 9006
ECOcllic: Stainless steel
satin finish



Body + ECOcllic:
White RAL 9016



Body + ECOcllic:
Black RAL 9005

Choice of RAL
and stainless steel design
(at additional cost)

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

Area of application

ECO **Newton TS-61** (EN 3-6) ■ Slide rail closer

Areas of application for the ECO **Newton TS-61** (EN 3-6)

The ECO **Newton TS-61** (EN 3-6) is designed for medium and heavy functional doors and is used wherever elegant design, functionality, ease of opening, and cost-conscious construction are required. It allows us to implement the advantages of both closers in a new model for leaf sizes from 950 - 1,400 mm.

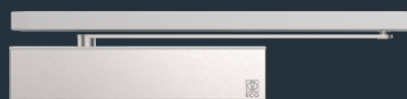
The closing speed, back-check and latching speed can be adjusted freely. A new feature is the adjustable delayed action (180 - 70°), which is now always integrated as standard.

With its gearing design, the ECO **Newton TS-61** (EN 3-6) achieves a high degree of efficiency, which strikes the ideal balance between opening and closing. This makes it the perfect problem solver for standard and special function doors, especially for the contract sector, with sufficient power reserves in the latching speed.

The ECO **GS-H** height-adjustable slide rail has been completely redesigned

- Height-adjustable by up to 4 mm, for adapting to on-site construction tolerances.
- Hidden screw attachment for a uniform look.
- Various end caps for identical finish from door body to slide rail.
- The use of a new lever arm with a material thickness of 4 mm allowed us to improve the distance values between the upper edge of the door, the lever arm and the slide rail, which is sure to prove extremely advantageous on the construction site.

ECO **GS-H** optimised, height-adjustable lever arm



The ECO **GS-HF** slide rail with extended lever arm for thick doors

For the opposite hinge side, there is also the option of the ECO **GS-HF** slide rail version, which offers a 22 mm longer lever arm. This version is ideal for use with thick doors (X dimension over 90 mm).

ECO **GS-HF** with extended lever arm



The ECO **GS-STM** slide rail for transom installation without a transom bracket

For easier installation on the opposite hinge side, we have developed the ECO **GS-STM**, which can be assembled directly in the frame (i.e. without a transom bracket).

- More stable construction due to direct screw connection
- More attractive solution without SFW
- Economic savings due to the elimination of SFW and more straightforward installation
- Integrated opening stop with damping

ECO **GS-STM** for installation in the frame



Order information

ECO **Newton TS-61** (EN 3–6) ■ Slide rail closer

ECO **Newton TS-61** (EN 3–6)



Product benefits

- Tested and certified in accordance with **EN 1154**
- **EN 3–6** leaf widths up to 1,400 mm
- Leaf weights up to 120 kg in accordance with **EN 1154**
- Extended leaf weights up to 250 kg (separate, object-specific assessment with manufacturer's declaration by ECO Support/PM)
- Same version for DIN-L = DIN-R
- Sufficient power reserve even with large doors
- Greater door weights up to 300 kg (object-specific manufacturer's declaration from ECO necessary)
- Integrated, adjustable delayed action (180°–70°)
- **DIN 18040** (requirements on the construction of accessible buildings) up to **EN 4**
- Optimised lever arm, 4 mm
- New slide rail GS-H, height-adjustable with hidden screw attachment
- Optional slide rail for opposite hinge side – ECO GS-STM, for screwing directly into the lintel (the previous SFW is no longer required)
- Optional, extended slide rail and lever arm for opposite hinge side – ECO GS-HF for special doors with door thicknesses up to 120 mm (X dimension)
- Optional, adjustable latch-locking device (no FS/RS) ECO FKL-E
- Optional ECO ÖB GS-H back-check for smooth braking of the door – can also be used outdoors (mounting instructions with wind load tool).
- **ECOcllic**: Stainless steel cover encloses the aluminium body with the strength of spring steel, thus concealing all setting parameters safely against unauthorised access
- **ECOMount**: Mounting plate in accordance with **EN 1154** is completely covered by the door closer
- **ECOvalve**: Simple, high-precision and permanently secure adjustment of all parameters of the closing process using a standard Allen key
- **ECOgreen**: Intelligent design and carefully planned use of materials significantly help save resources.
- **ECOcover²**: Optional stainless steel cover for the ECO **Newton** door closer or slide rail. Order the lever arm in stainless steel for a harmonious overall appearance.
- **ECOLine**: Slide rail and door closer are flush when completely installed. All materials are perfectly colour-matched – right through to the end caps on the slide rail.
- **ECOVario**: Permits the use of all slide rail door closers and can even be combined with different door leaf widths. Thus an optimum price-performance ratio can be found for every individual door situation.

TS-61 (EN 3–6)

with delayed action

 ECO **TS-61 EN 3–6**   


Closer body with lever arm and slide rail H	Colour	Art. no.	Closer body with lever arm, without slide rail	Colour	Art. no.
ECOTS-61 with GS-H	Silver RAL 9006*	5030064694	ECO TS-61	Silver RAL 9006*	5030064687
ECOTS-61 with GS-H	White RAL 9016	5030065486	ECO TS-61	White RAL 9016	5030065738
ECOTS-61 with GS-H	Black RAL 9005	5030065762	ECO TS-61	Black RAL 9005	5030065740

*Door closer body in silver RAL 9006, ECOclic in matt stainless steel

Hinge side

Closing speed

Continuously adjustable closing speed from 180°–0°.

Latching speed

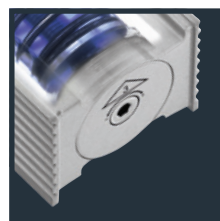
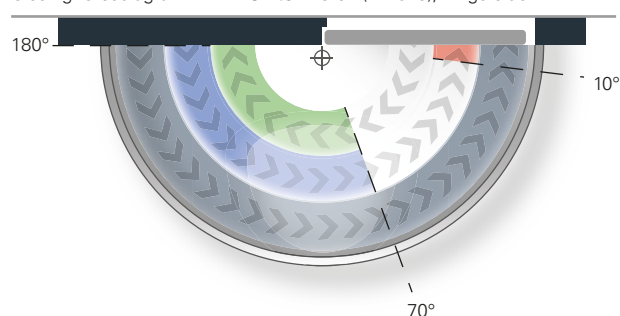
Increases the closing speed and thus the closing force for safe closing of the door, e.g. to overcome door seals, latches and air pressure. Continuously adjustable, active from 10° – 0°.

Back-check

Reduces the opening speed from 70° and thus prevents the door from slamming. Back-check freely adjustable.

Delayed action

Decreases the closing speed and thus enables safe passage for people and transports. Particularly suitable for use in nursing homes and hospitals. Delayed action freely adjustable. Active from 180°–70°.

 Closing forcediagram ECO **Newton TS-61** (EN 3–6), hinge side


Closing force:

freely adjustable min. Size 3

ECO TS-61 EN 3–6 max. Size 6

Delivery state: Size 3

TS-61 G (EN 3 – 6)

with delayed action

ECO TS-61 G EN 3-6   



Closer body with lever arm and slide rail H	Colour	Art. no.	Closer body with lever arm, without slide rail	Colour	Art. no.
ECO TS-61 G with GS-H	Silver RAL 9006*	5030064695	ECO TS-61 G	Silver RAL 9006*	5030064688
ECO TS-61 G with GS-H	White RAL 9016	5030065487	ECO TS-61 G	White RAL 9016	5030065739
ECO TS-61 G with GS-H	Black RAL 9005	5030065488	ECO TS-61 G	Black RAL 9005	5030065741

*Door closer body in silver RAL 9006, ECOclic in matt stainless steel

Opposite hinge side

Closing speed

Continuously adjustable closing speed from 120°*–0°.

Latching speed

Increases the closing speed and thus the closing force for safe closing of the door, e.g. to overcome door seals, latches and air pressure. Continuously adjustable, active from 10° – 0°.

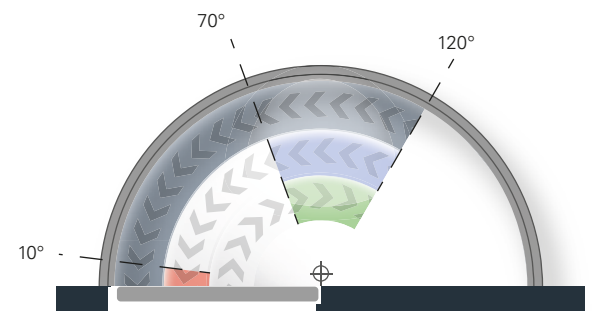
Back-check

Reduces the opening speed from 70° and thus prevents the door from slamming. Back-check freely adjustable.

Delayed action

Decreases the closing speed and thus enable safe passage for people and transports. Particularly suitable for use in nursing homes and hospitals. Delayed action freely adjustable. Active from 120°*–70°.

Closing force diagram ECO Newton TS-61 (EN 3–6), opposite hinge side

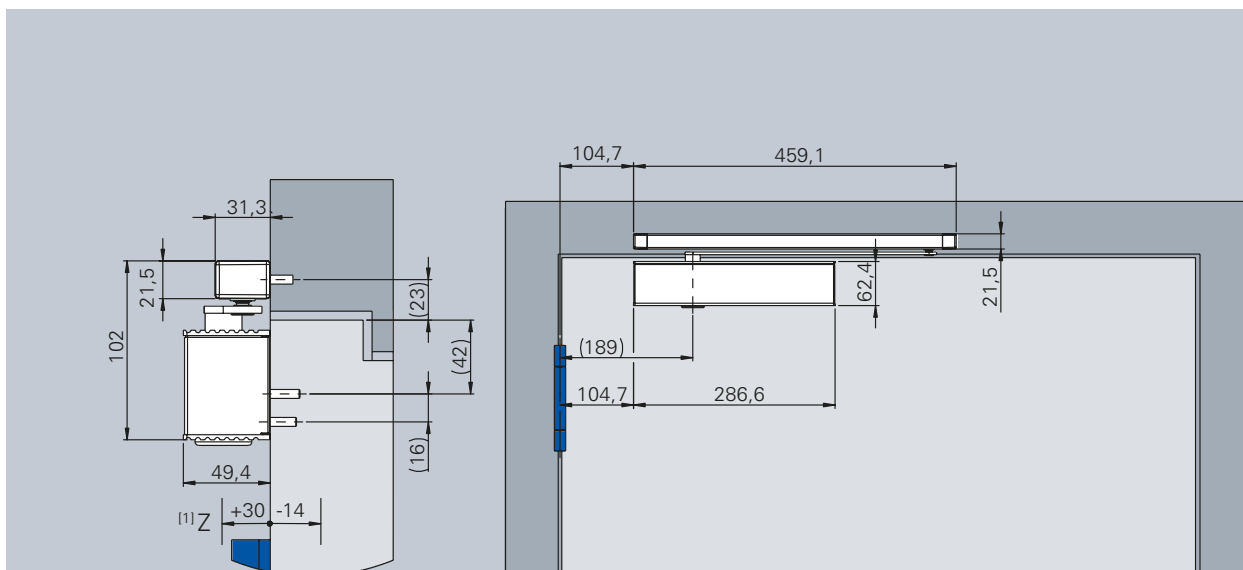


**Varies according to door thickness and hinge type.

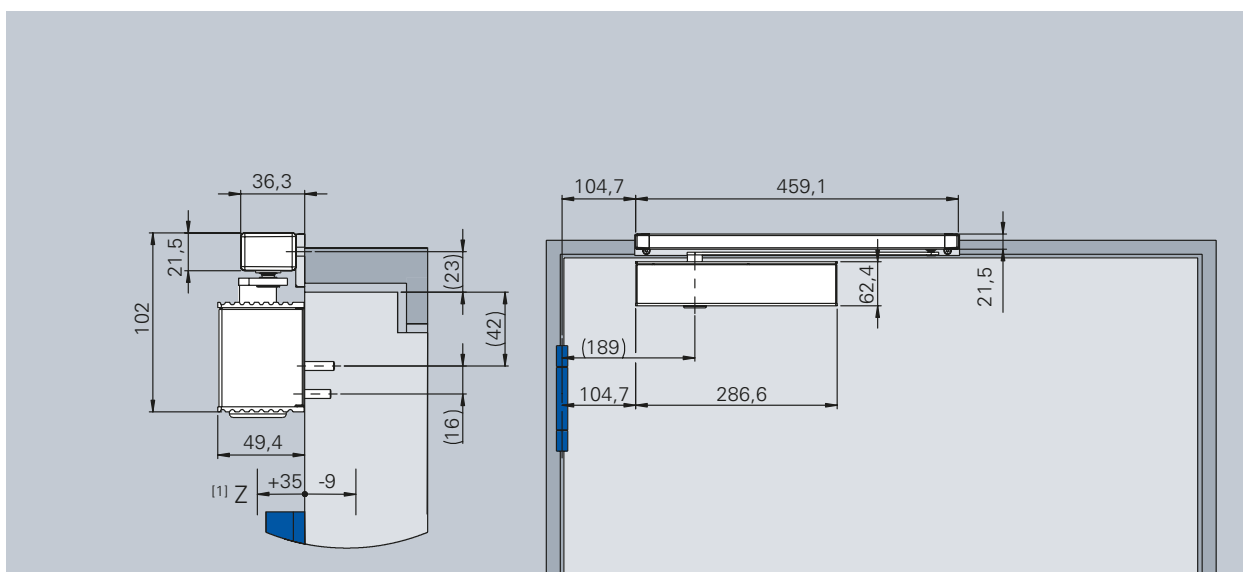
Opening range must be limited by a door stop!

TS-61 (EN 3-6) GS-H

Installation with slide rail H



Standard installation of ECO TS-61 (EN 3 – 6) with slide rail H, hinge side (direct installation), DIN-L

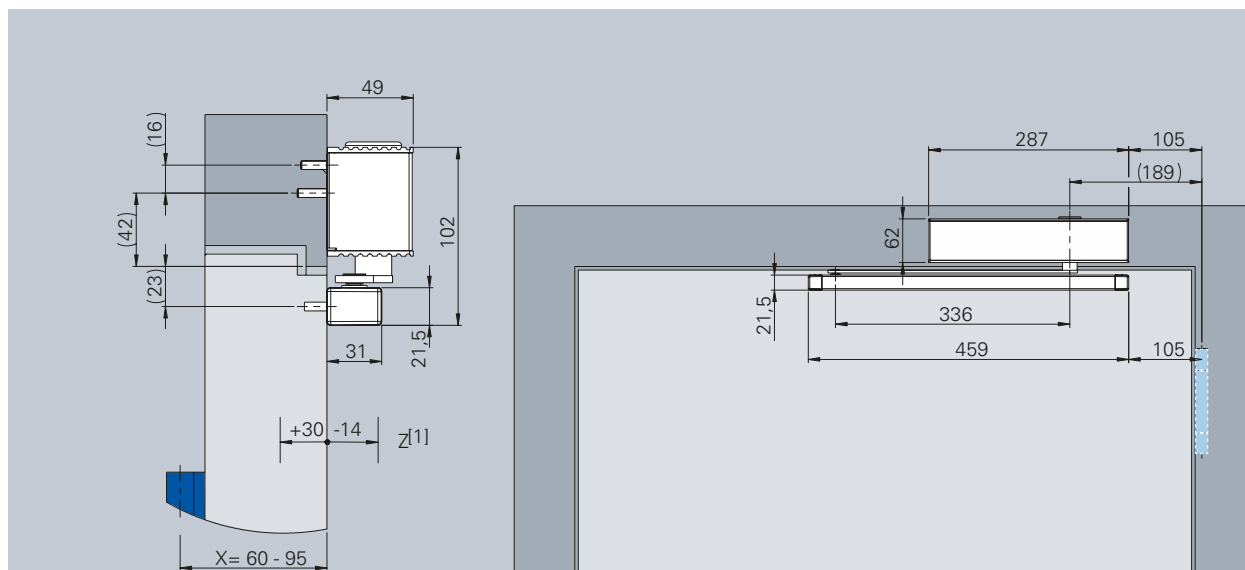


Standard installation of ECO TS-61 (EN 3 – 6) with slide rail H, hinge side (adaption profile), DIN-L

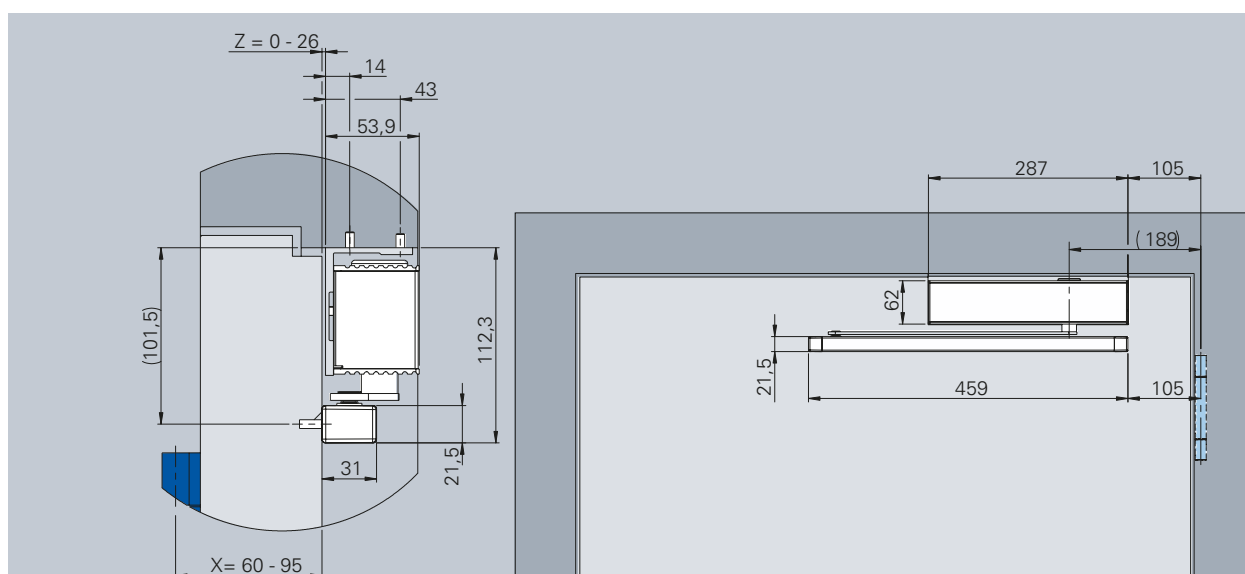
[1] Maximum overhang for thick rebate doors (Z = positive) and overhanging frames (Z = negative)

TS-61 (EN 3-6) GS-H

Installation with slide rail H



Frame installation of ECO TS-61 (EN 3 – 6) with slide rail H, opposite hinge side (direct installation), DIN-L



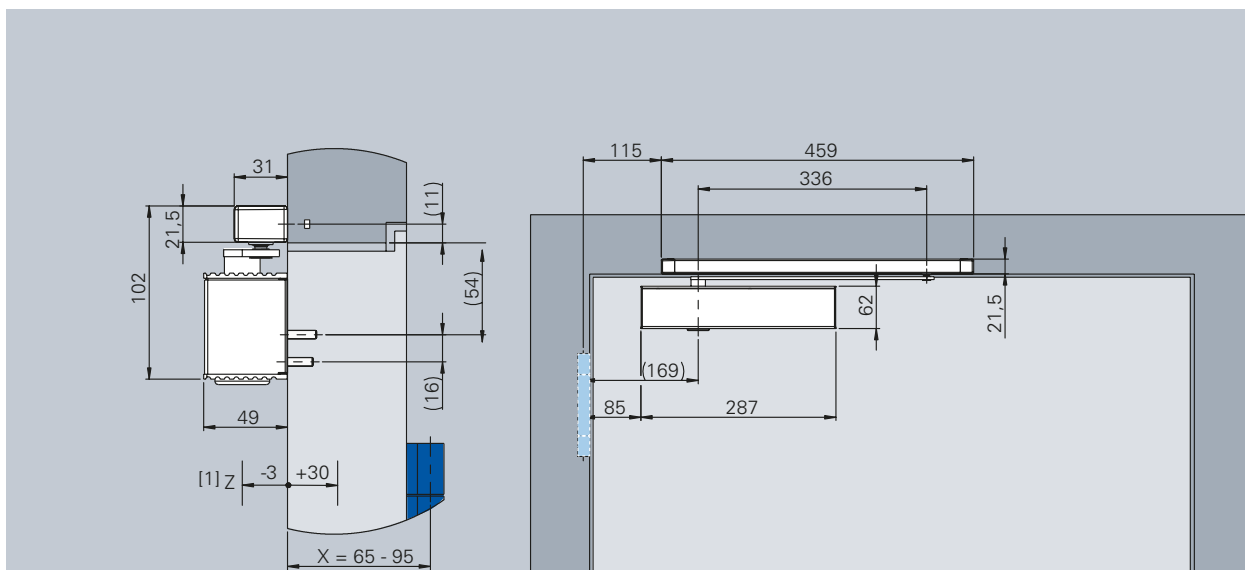
Frame installation of ECO TS-61 (EN 3 – 6) with slide rail H, opposite hinge side (transom bracket), DIN-L

[1] Maximum overhang for thick rebate doors (Z = positive) and overhanging frames (Z = negative)

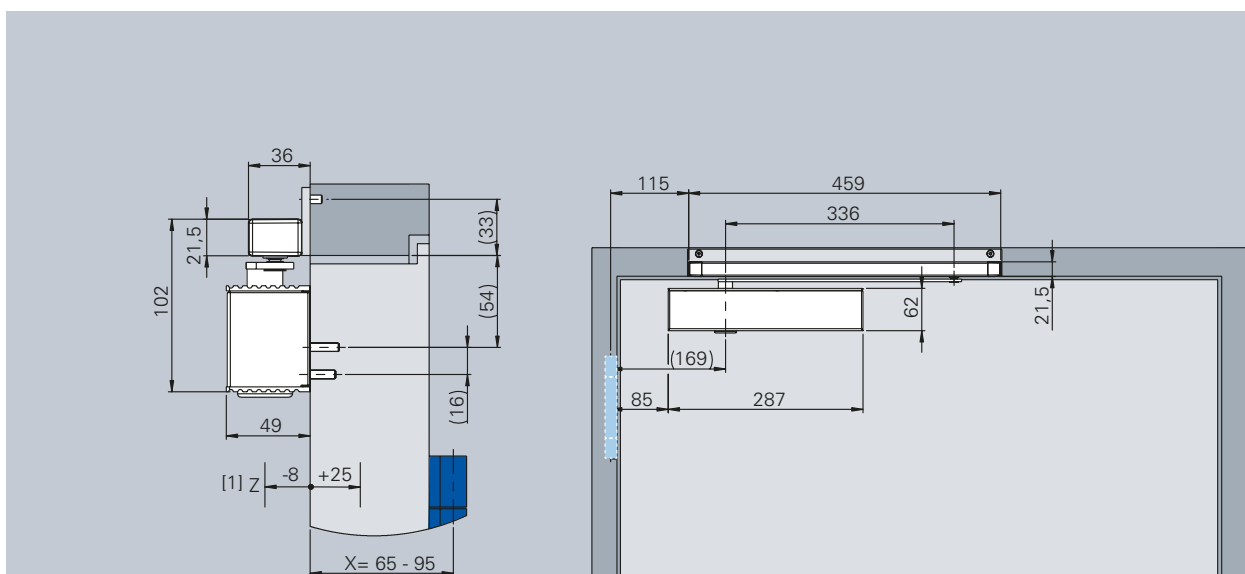


TS-61 G (EN 3 – 6) GS-H (X = 65–95 mm)

Installation with slide rail H



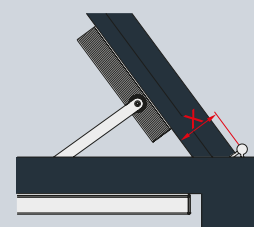
Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail H, opposite hinge side (direct installation), DIN-R



Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail H, opposite hinge side (adaption profile), DIN-R

X = max. 95 mm

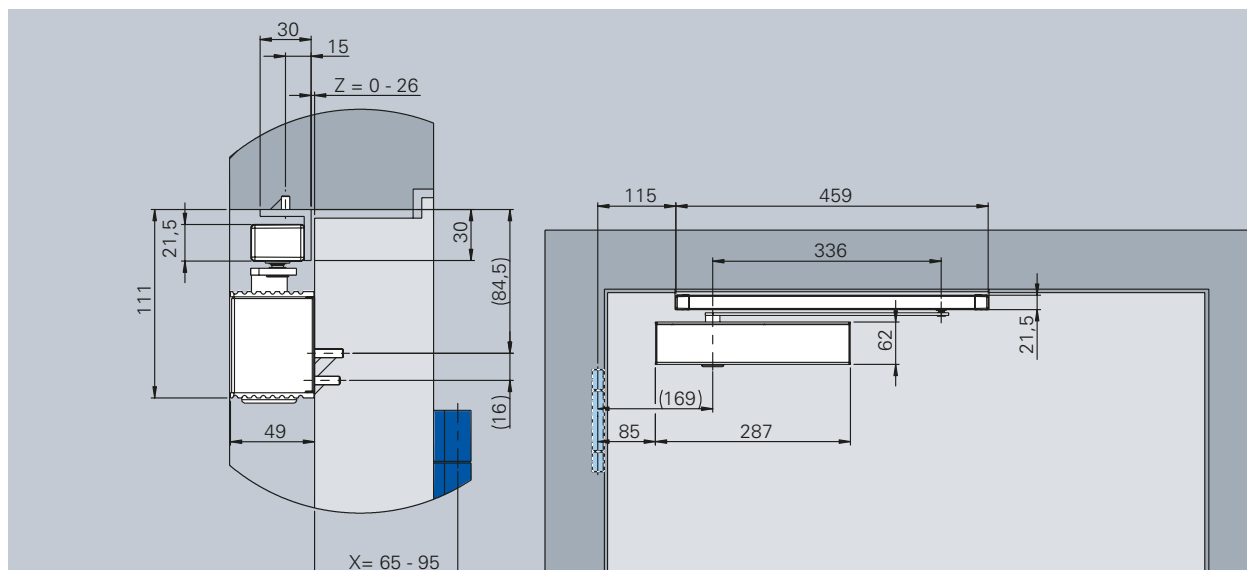
(Please consult our technical support team in the event of deviations.)



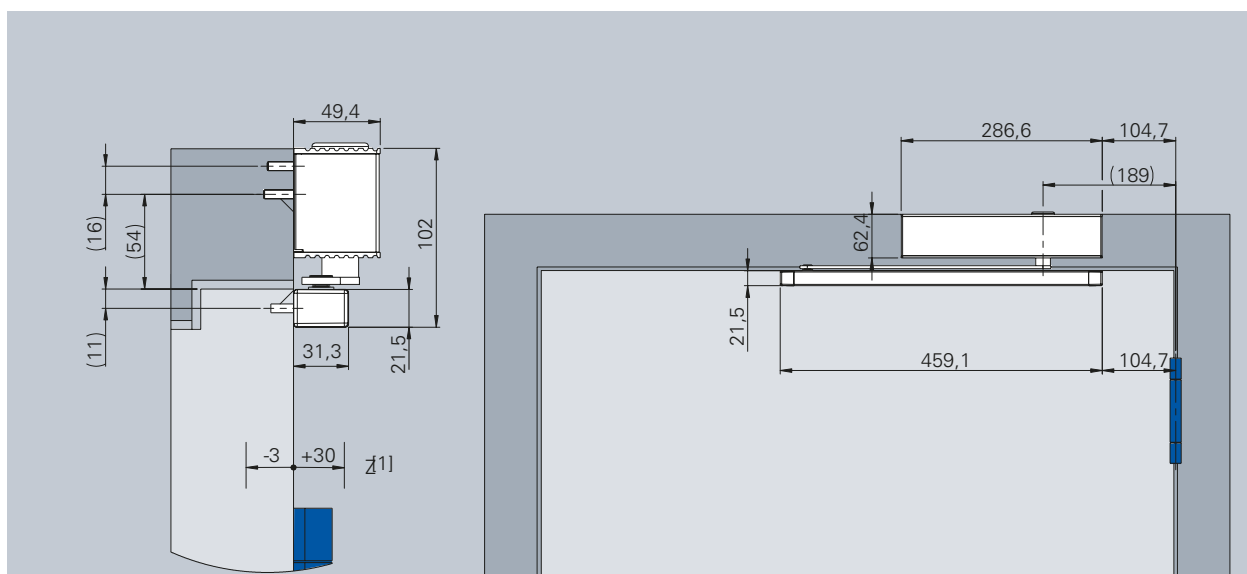
[1] Maximum overhang for thick rebate doors (Z = positive) and overhanging frames (Z = negative)

TS-61 G (EN 3 – 6) GS-H (X = 65–95 mm)

Installation with slide rail H



Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail H, opposite hinge side (transom bracket), DIN-R



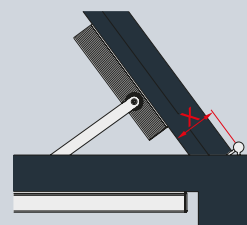
Frame installation of ECO TS-61 G (EN 3 – 6) with slide rail H, hinge side (direct installation), DIN-L

Back-check not available for frame installation.

[1] Maximum overhang for thick rebate doors (Z = positive) and overhanging frames (Z = negative)

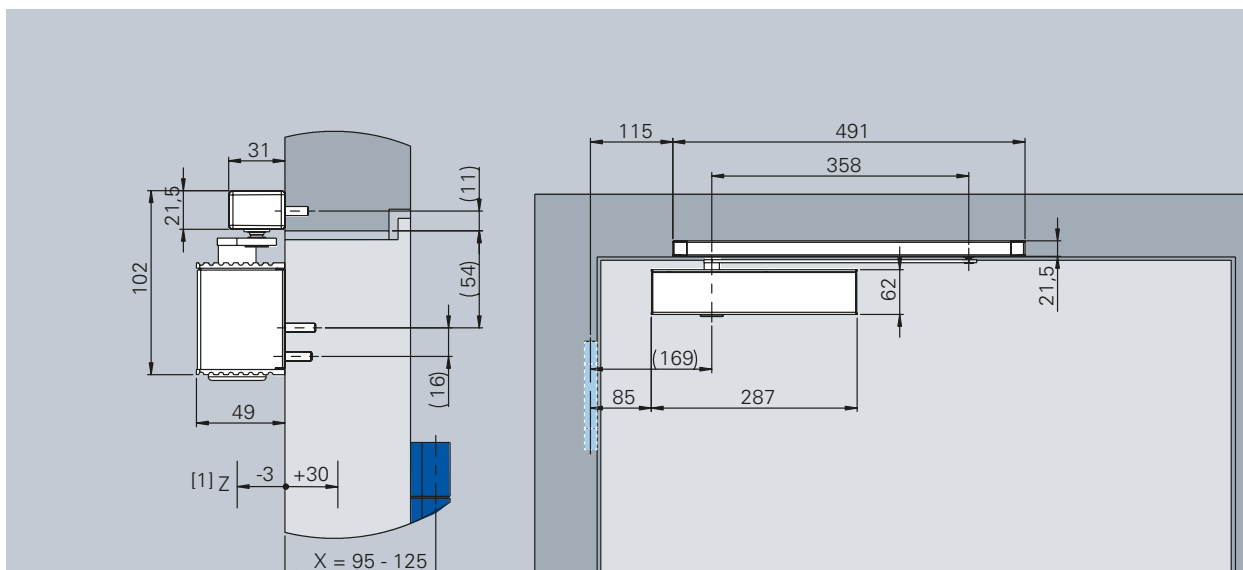
X = max. 95 mm

(Please consult our technical support team in the event of deviations.)

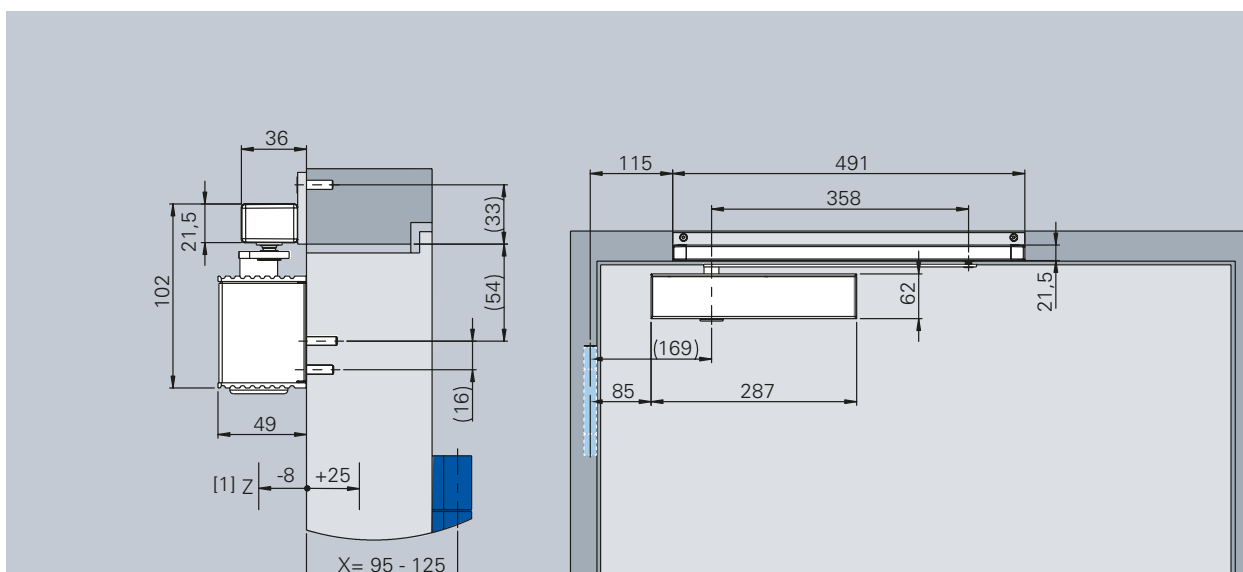


TS-61 G (EN 3 – 6) GS-HF (X = 95–125 mm)

Installation with slide rail HF for thick doors



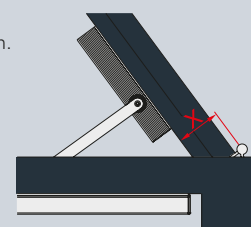
Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail HF, opposite hinge side (direct installation), DIN-R



Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail HF, opposite hinge side (adaption profile), DIN-R

X = max. 125 mm
with GS-HF + lever arm 4 x 380 mm.

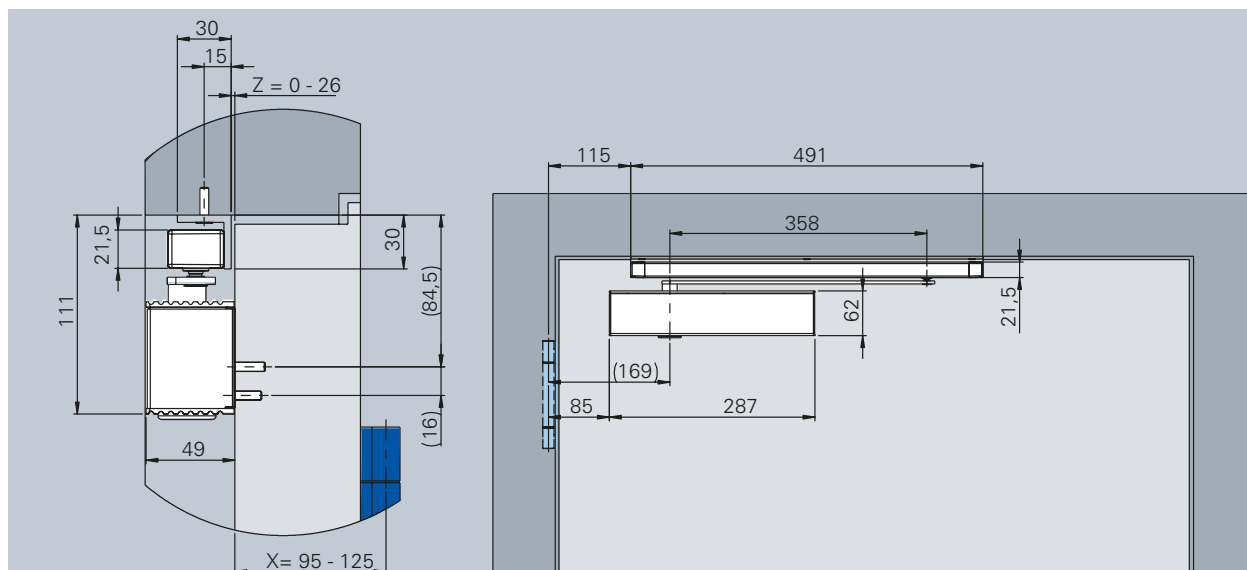
(Please consult our technical support team in the event of deviations.)



[1] Maximum overhang for thick rebate doors (Z = positive) and overhanging frames (Z = negative)

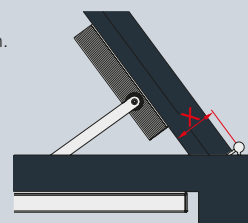
TS-61 G (EN 3 – 6) GS-HF (X = 95–125 mm)

Installation with slide rail HF for thick doors



Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail HF, opposite hinge side (transom bracket), DIN-R

X = max. 125 mm
with GS-HF + lever arm 4 x 380 mm.



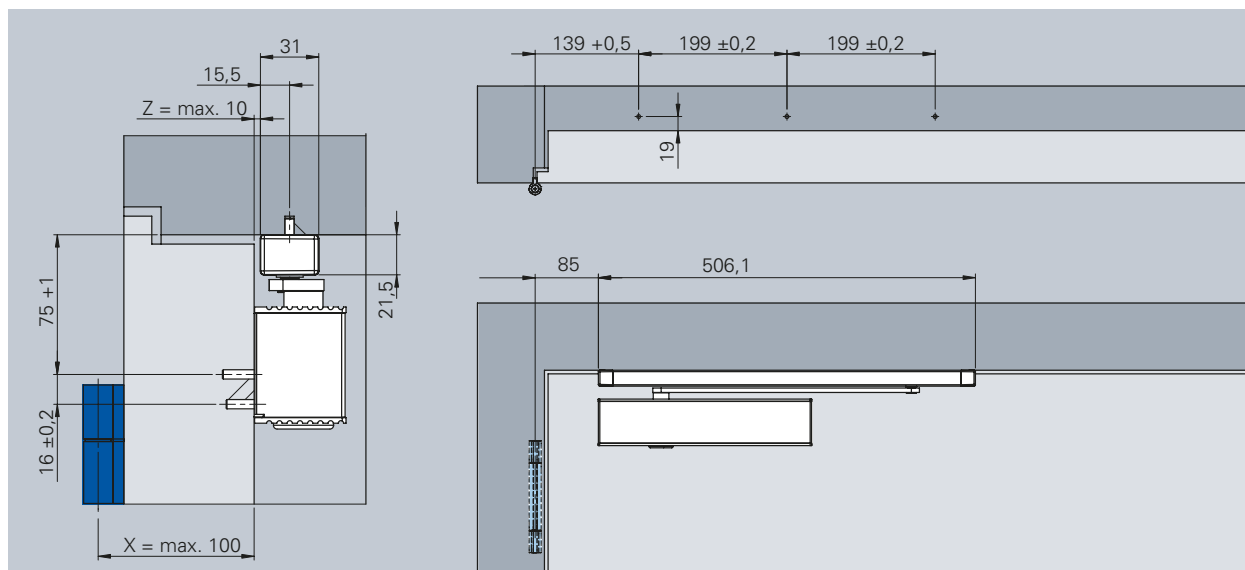
(Please consult our technical support team in the event of deviations.)

Back-check not available for frame installation.



TS-61 G (EN 3 – 6) GS-STM

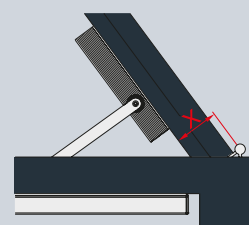
Installation with slide rail STM for transom installation



Standard installation of ECO TS-61 G (EN 3 – 6) with slide rail STM, opposite hinge side (direct installation), DIN-R

$X = \text{max. } 100 \text{ mm}$

(Please consult our technical support team in the event of deviations.)



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Our compendium represents a compilation of all products from our range of services. These are subject to different delivery classes. Special variants included are often manufactured to customer specifications and sometimes require longer delivery times and minimum purchase quantities. Further advise can be given by your contact person.

■ SYSTEM TECHNOLOGY FOR THE DOOR

