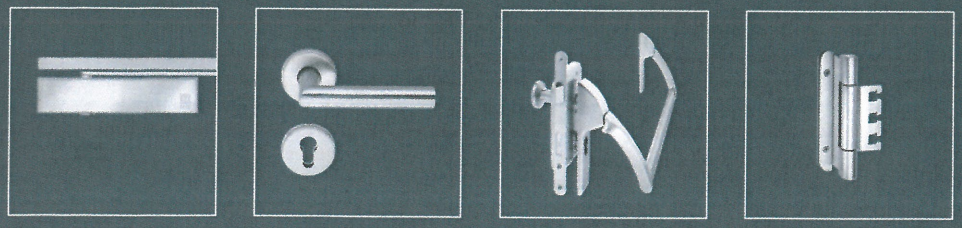
ECO Newton TS-61

Product information

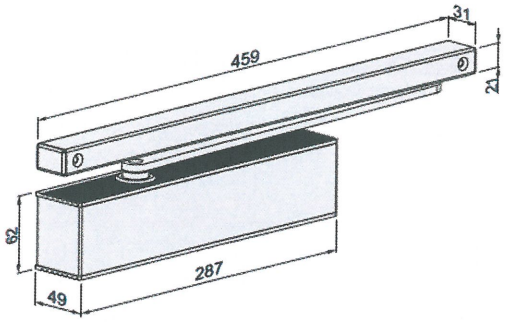
■ SYSTEM TECHNOLOGY FOR THE DOOR



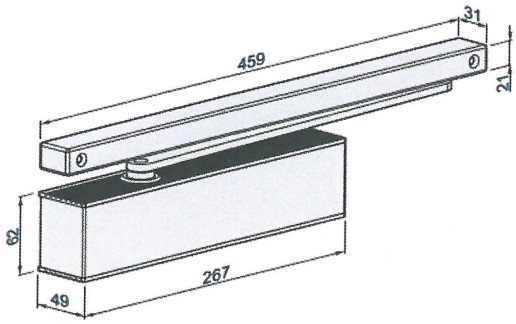
Product characteristics

		2 – 5	5 – 6
Closing force (continuously adjustable)	Size acc. to EN	F	F
Door width	≤ 1.250 mm	■	■
acc. to EN	≤ 1.400 mm	-	■
Dimensions (incl. mounting plate)	Length in mm	287	267
	Depth in mm	49	49
	Height in mm	62	62
Mounting plate acc. to **EN 1154 A** (supplemetary sheet 1)		■	■
Hinge side and hinge-opposite side		□	□
DIN left / right		■	■
Latching speed (continuously adjustable)		■	■
Closing speed (continuously adjustable)		■	■
Back-check (continuously adjustable)		■	■
Delayed action (continuously adjustable)		□	□
Tested acc. to EN		EN 1154 A	
Suitable for fire- and smoke control doors		F	
Certified according to EU-Directive		CE	

■ Yes
- No
□ Option



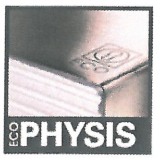
Dimensions: TS-61 (2 – 5)

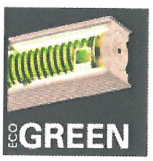


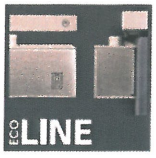
Dimensions: TS-61 (5 – 6)

Steel door Wooden door Profile frame door

ECO Newton TS-61 ▪ Highlights at a glance







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

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

Body + ECOclic: White RAL 9016

Body + ECOclic: Black RAL 9005

Body + ECOclic: Brown RAL 8014

Slide rail and arm are always delivered in the same colour as the ordered door closer body.

Under-lintel angle for door closer

Under-lintel angle for slide rail

Adaptor profile

Order information

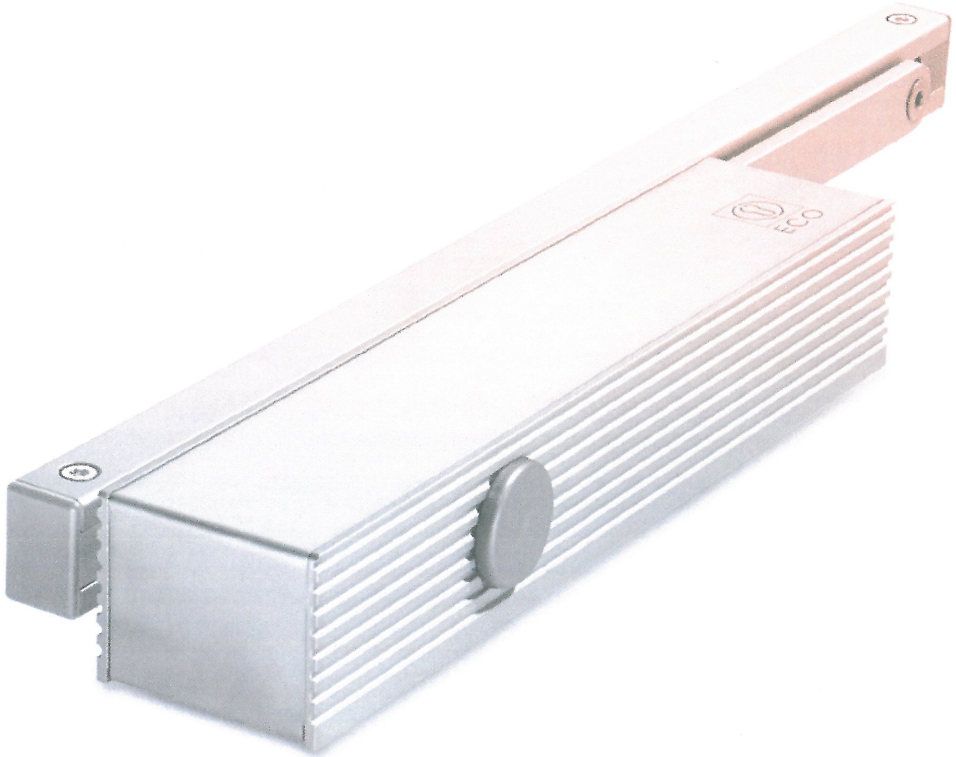
ECO Newton TS-61 ▪ Door closer with slide rail

Product information

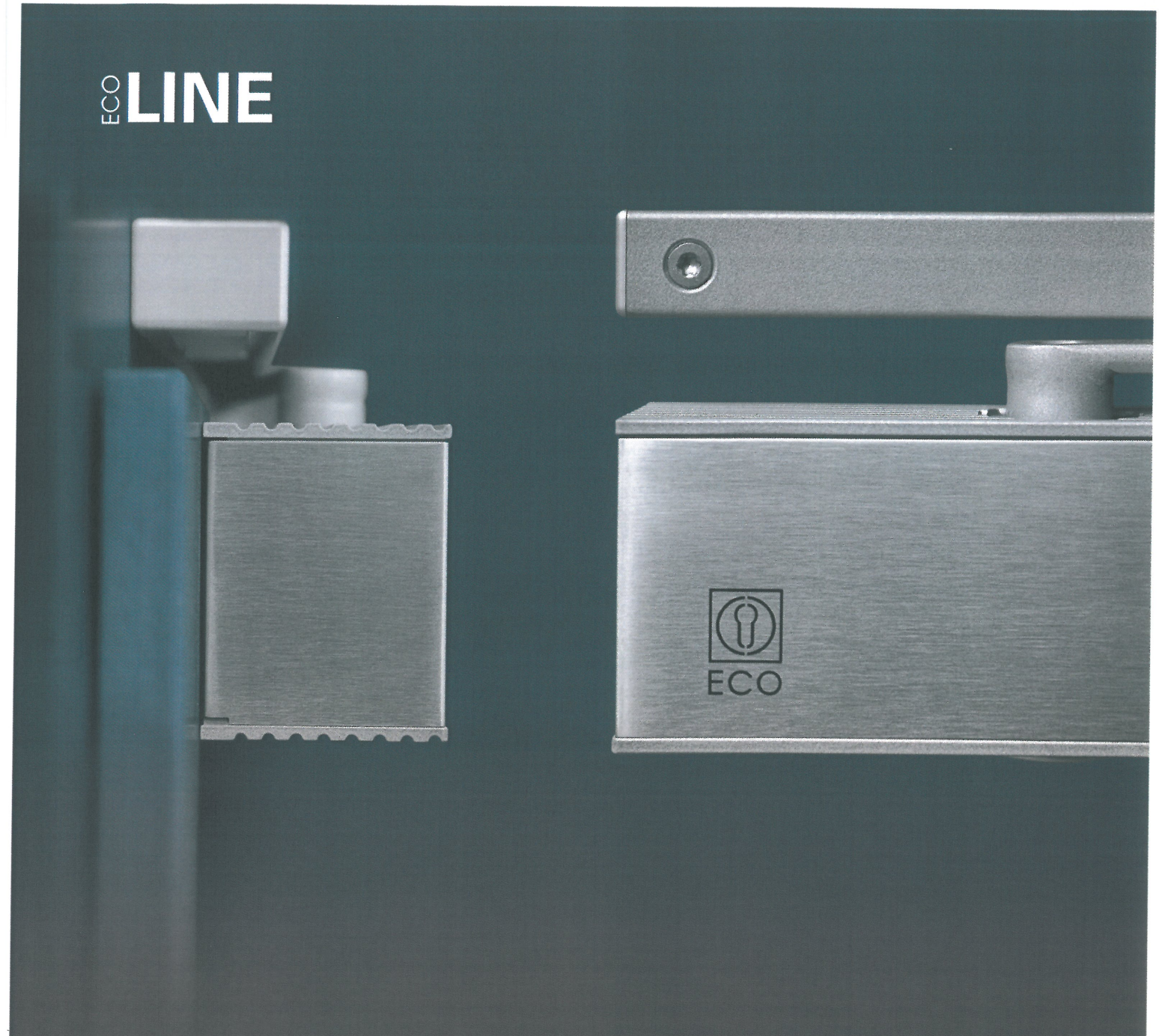
Closing force 2 – 5 (5 – 6) tested acc. to **EN 1154 A** (for door width up to 1.250 mm (1.400 mm) continuously adjustable. Latching speed, closing speed and back-check continuously adjustable. **Delayed action as option.** Same version DIN left and DIN right. Mounting height with mounting plate only 49 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
- ECOclic: 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.
- ECOmount: 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.
- ECOgreen: The intelligent construction and carefully planned use of materials help considerably to save resources.
- 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: perwiths 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.



ECO LINE



ECO Newton
Highlights in detail.

Uniform edges and colour design:

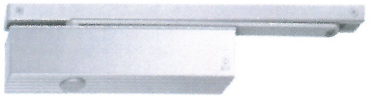
The mounted slide rail and door closer are flush when the door is closed. The colours of all materials are perfectly matched - right down to the end caps of the slide rail. In this way, ECO Newton door closers can be integrated harmoniously into every design context.

EN 1154 A

Hinge side

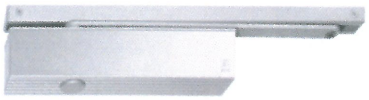
Without delayed action

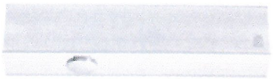
TS-61 B (5 – 6)



Hinge side slide rail B	Colour		Article number	Hinge side without slide rail	Colour		Article number
TS-61 B (5 – 6)	Silver	RAL 9006*	306153CB1A01010	TS-61 B (5 – 6)	Silver	RAL 9006*	356153CB1A00010
TS-61 B (5 – 6)	White	RAL 9016	306153CB3E01010	TS-61 B (5 – 6)	White	RAL 9016	356153CB3E00010
TS-61 B (5 – 6)	Brown	RAL 8014	306153CB3D01010	TS-61 B (5 – 6)	Brown	RAL 8014	356153CB3D00010
TS-61 B (5 – 6)	Black	RAL 9005	306153CB3G01010	TS-61 B (5 – 6)	Black	RAL 9005	356153CB3G00010

TS-61 B (2 – 5)

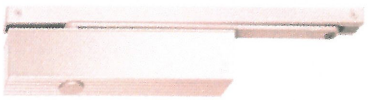




Hinge side slide rail B	Colour		Article number	Hinge side without slide rail	Colour		Article number
TS-61 B (2 – 5)	Silver	RAL 9006*	306153AB1A01010	TS-61 B (2 – 5)	Silver	RAL 9006*	356153AB1A00010
TS-61 B (2 – 5)	White	RAL 9016	306153AB3E01010	TS-61 B (2 – 5)	White	RAL 9016	356153AB3E00010
TS-61 B (2 – 5)	Brown	RAL 8014	306153AB3D01010	TS-61 B (2 – 5)	Brown	RAL 8014	356153AB3D00010
TS-61 B (2 – 5)	Black	RAL 9005	306153AB3G01010	TS-61 B (2 – 5)	Black	RAL 9005	356153AB3G00010

With delayed action

TS-61 B-SV (2 – 5)



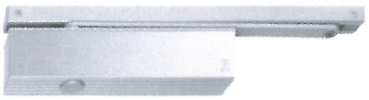
Hinge side slide rail B	Colour		Article number	Hinge side without slide rail	Colour		Article number
TS-61 B-SV (2 – 5)	Silver	RAL 9006*	306154AB1A01010	TS-61 B-SV (2 – 5)	Silver	RAL 9006*	356154AB1A00010
TS-61 B-SV (2 – 5)	White	RAL 9016	306154AB3E01010	TS-61 B-SV (2 – 5)	White	RAL 9016	356154AB3E00010
TS-61 B-SV (2 – 5)	Brown	RAL 8014	306154AB3D01010	TS-61 B-SV (2 – 5)	Brown	RAL 8014	356154AB3D00010
TS-61 B-SV (2 – 5)	Black	RAL 9005	306154AB3G01010	TS-61 B-SV (2 – 5)	Black	RAL 9005	356154AB3G00010

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

Hinge-opposite side

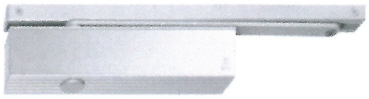
Without delayed action

TS-61 G (5 – 6)



Hinge-opposite side slide rail B	Colour		Article number	Hinge-opposite side without slide rail	Colour		Article number
TS-61 G (5 – 6)	Silver	RAL 9006*	306163CB1A01010	TS-61 G (5 – 6)	Silver	RAL 9006*	356163CB1A00010
TS-61 G (5 – 6)	White	RAL 9016	306163CB3E01010	TS-61 G (5 – 6)	White	RAL 9016	356163CB3E00010
TS-61 G (5 – 6)	Brown	RAL 8014	306163CB3D01010	TS-61 G (5 – 6)	Brown	RAL 8014	356163CB3D00010
TS-61 G (5 – 6)	Black	RAL 9005	306163CB3G01010	TS-61 G (5 – 6)	Black	RAL 9005	356163CB3G00010

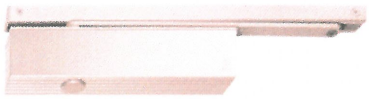
TS-61 G (2 – 5)



Hinge-opposite side slide rail B	Colour		Article number	Hinge-opposite side without slide rail	Colour		Article number
TS-61 G (2 – 5)	Silver	RAL 9006*	306163AB1A01010	TS-61 G (2 – 5)	Silver	RAL 9006*	356163AB1A00010
TS-61 G (2 – 5)	White	RAL 9016	306163AB3E01010	TS-61 G (2 – 5)	White	RAL 9016	356163AB3E00010
TS-61 G (2 – 5)	Brown	RAL 8014	306163AB3D01010	TS-61 G (2 – 5)	Brown	RAL 8014	356163AB3D00010
TS-61 G (2 – 5)	Black	RAL 9005	306163AB3G01010	TS-61 G (2 – 5)	Black	RAL 9005	356163AB3G00010

With delayed action

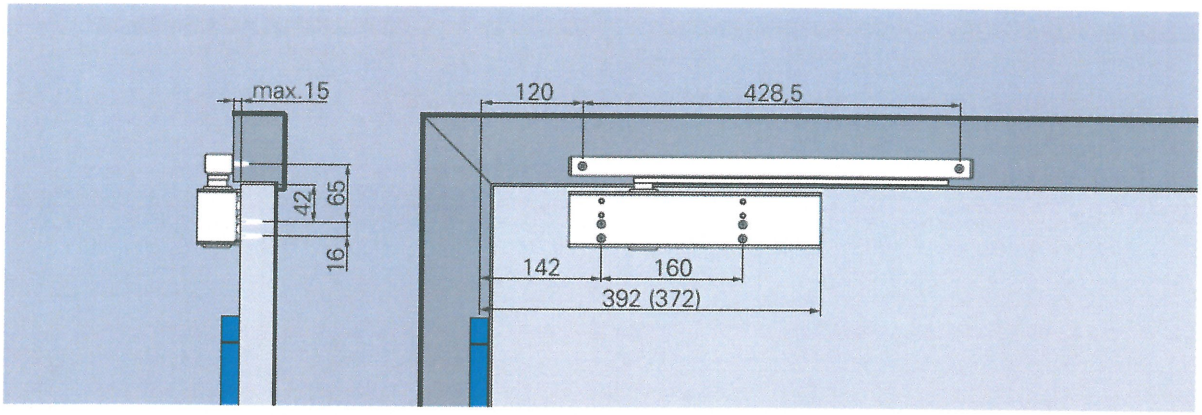
TS-61 G-SV (2 – 5)



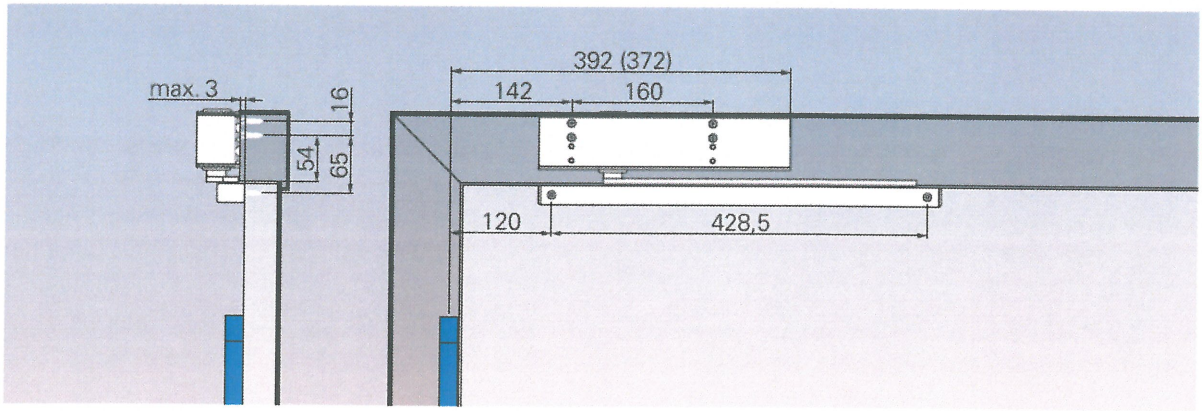
Hinge-opposite side slide rail B	Colour		Article number	Hinge-opposite side without slide rail	Colour		Article number
TS-61 G-SV (2 – 5)	Silver	RAL 9006*	306164AB1A01010	TS-61 G-SV (2 – 5)	Silver	RAL 9006*	356164AB1A00010
TS-61 G-SV (2 – 5)	White	RAL 9016	306164AB3E01010	TS-61 G-SV (2 – 5)	White	RAL 9016	356164AB3E00010
TS-61 G-SV (2 – 5)	Brown	RAL 8014	306164AB3D01010	TS-61 G-SV (2 – 5)	Brown	RAL 8014	356164AB3D00010
TS-61 G-SV (2 – 5)	Black	RAL 9005	306164AB3G01010	TS-61 G-SV (2 – 5)	Black	RAL 9005	356164AB3G00010

Hinge side

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



Standard mounting TS-61 with slide rail B, hinge side



Head mounting TS-61 G with slide rail B, hinge side

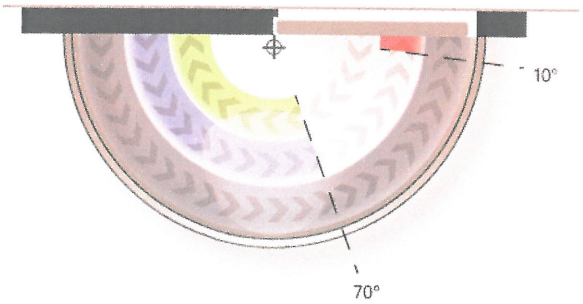
Closing speed
Continuously adjustable closing speed from approx. 180° to 0°

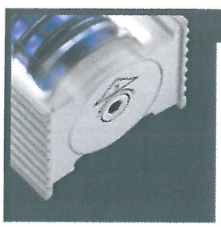
Latching speed
Increases the closing speed and thus the safe closing of the door, for example to overcome door seals, door locks and high air pressure. Continously adjustable, works between 10 to 0°

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

Delayed action (as option)
Reduces the closing speed and allows a safer passing for people and transports. Especially suitable for the use in nursing homes and hospitals. Delay action continously adjustable. Works between 180° to 70°.

Closing force diagram ECO Newton TS-61, hinge side



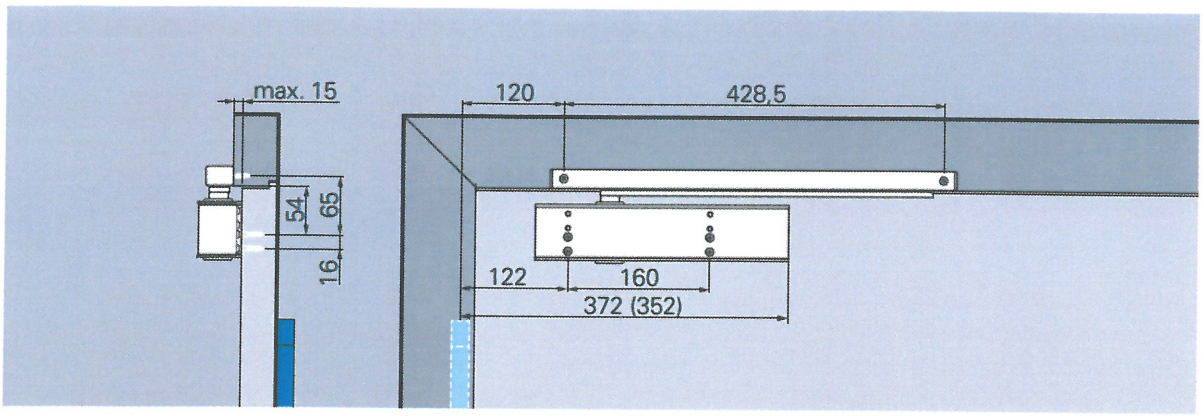


Closing force:	
Continuously adjustable TS-61 (5 – 6)	min. size 5 max. size 6
/	
Continuously adjustable TS-61 (2 – 5)	min. size 2 max. size 5
Default delivery condition:	size 3

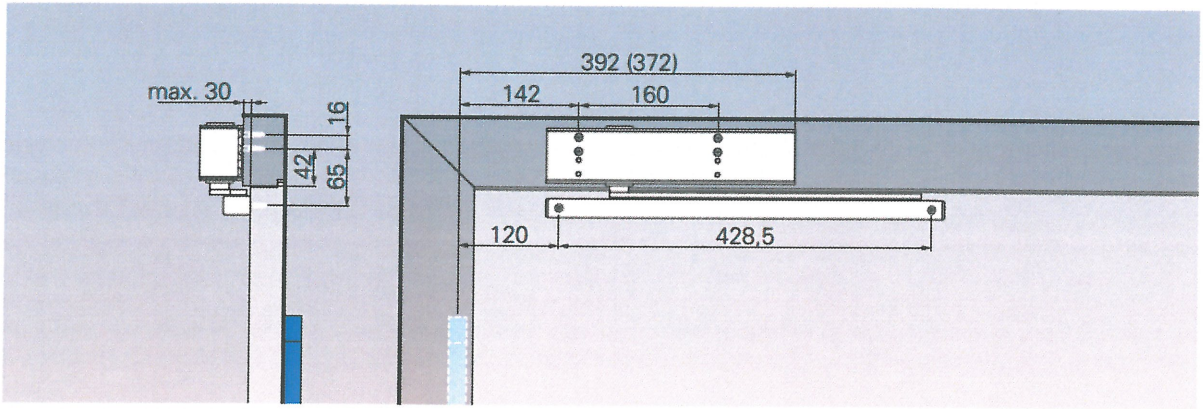
Back-check out of order for head mounting.

Hinge-opposite side

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



Standard mounting TS-61 G with slide rail B, hinge-opposite side



Head mounting TS-61 with slide rail B, hinge-opposite side

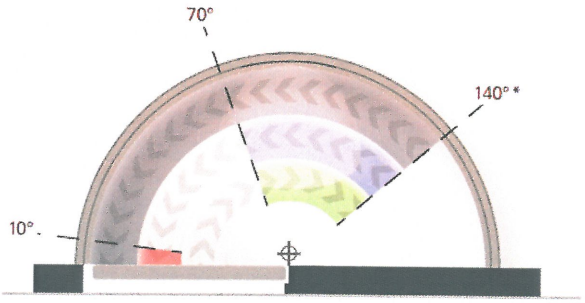
Closing speed
Continuously adjustable closing speed from approx. 140°* to 0°

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. Continously adjustable, works between 10 to 0°

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

Delayed action (as option)
Reduces the closing speed and allows a safer passing for people and transports. Especially suitable for the use in nursing homes and hospitals. Delay action continously adjustable. Works between 140°* to 70°

Closing force diagram ECO Newton TS-61, hinge-opposite side



*Varies according to door thickness and type of hinge

A door stopper for opening limit is a must!

Back-check is not working when using head mounting

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Drift og Vedligehold – ECO Dørlukkere og dørvælgersystemer

Hvor ofte et eftersyn bør udføres afhænger af produktet, brugen og funktionen af dørlukkeren. Ved normal og gennemsnitlig brug anbefales en inspektion minimum 1 gang årligt. Ved hyppigere brug skal eftersyn udføres med kortere intervaller.

	Dørlukker	Dørvælgersy-stemer
1. Kontrollér at døren kan betjenes uden modstand i åbne og lukkeretningen.	☑	☑
2. Kontroller at dørlukkeren og tilhørende arm / glideskinne sidder forsvarligt fast på døren og karmen.	☑	☑
3. Foretag en visuel kontrol af dørlukkeren for fejl og mangler.	☑	☑
4. Efterse de mekaniske dele, som skal kunne bevæge sig uden hindringer.	☑	☑
5. Kontrol af dørlukkerens indstillinger: Lukkehastighed, sluttryk, fjeder spænding, lukketidsforsinkelse, og åbningsdæmpning.	☑	
6. Defekte dele med indvirkning på dørlukkerens funktionalitet udskiftes omgående.	☑	☑
7. Undgå for kraftig eller hyppig tilsmudsning af dørlukkeren og dørvælgersystemet fra omgivelserne.	☑	☑
8. Rengør dørlukkeren og udløserenheden med mild rengørringsmiddel.	☑	☑
9. Foretag en smøring af alle bevægelige metaldele (på nær glideren i glideskinnen).		☑
10. Kontrollér om alle forskrifter er overholdt ved produkter med specialfunktioner som elektro mekanisk fasthold, røgmeldere osv.		☑
11. Kontrollér ydeevne af netværket og udløserenheden.		☑
12. Lukke og tilslutte dørlukkeranlæget efter endt eftersyn.		☑

Kun ved korrekt montage og vedligeholdelse er produktet dækket af garantien.