

ECO Newton

The next generation of door closers

SWISSDOOR
DØRTEKNIK FOR PROFESSIONELLE



■ SYSTEM TECHNOLOGY FOR THE DOOR

The safety principle: ECO Newton door closers

Door closers must be able to cope with routine operation and emergency situations: in everyday use, they make it easier to open the doors, while softening the door strike and ensuring secure closing. In emergency situations, they guarantee that fire zones can be separated reliably, thus saving lives.

The new ECO Newton door closer generation combines tried and tested spring force retention with two innovative concepts: the new ECOvalve technology and new ECOclic stainless steel cover. The one provides a new level of quality in the precise adjustment of the closer while the other ensures that the adjustment elements are easily accessible, but only by specialists.

With two models in a uniform design, ECO Newton door closers cover all applications in and around buildings. They are available with a classical articulated arm and aesthetic slide rail.

Standards produce safety



No matter whether the task is to secure an emergency exit or restrict access, door fitting systems are the sensitive point where building security is concerned. ECO Schulte is a pioneer of the system concept at the door. That is why the entire ECO Schulte system programme is certified in accordance with the European Norm (EN) and manufactured in accordance with CE specifications. Standardized fittings produce quality and security for the planners and operators of buildings and property - and for the users too, of course.





High-performance power retention with hydraulic damping: ECO Newton system door closers are designed for far more than 500,000 closing operations.

The Choreography of security

Door hold-open systems are highly complex systems which were developed to separate fire and smoke sections independently and purely mechanically. In the event of fire, a locking sequence is set in motion which is reminiscent of an exact choreography in its predetermined precision. A precisely defined closing sequence is prescribed with double-leaf doors: the passive wing must close first, then the active wing. A play of forces developed to save human life.

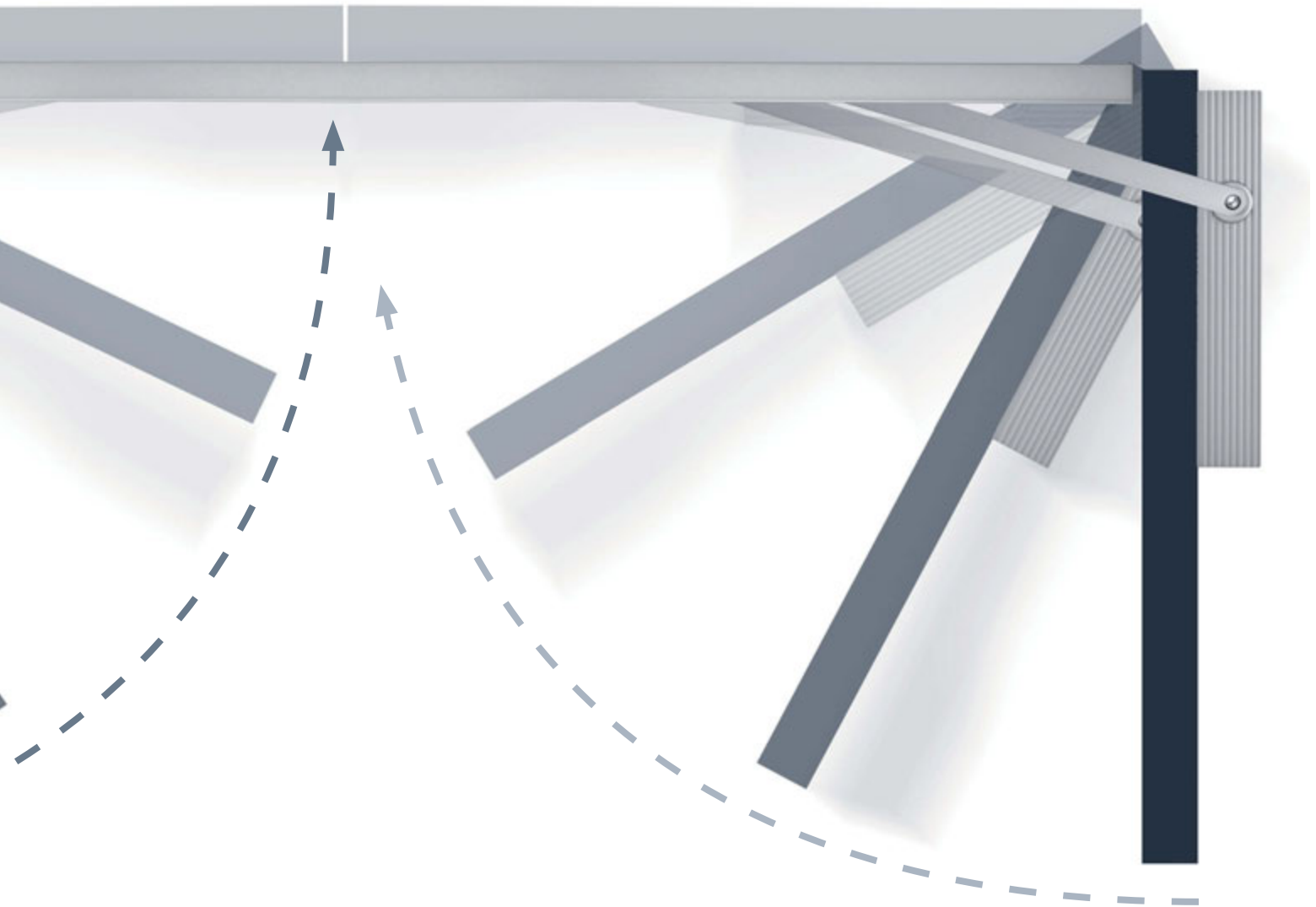


Life-saving – if the worst comes to the worst



ECO Schulte system technology for doors protects property and generates safety. The system philosophy at the door is universal: with system solutions from ECO Schulte, it is guaranteed that a door cannot become an obstacle when trying to escape. This claim is visualized in the company logo: it is the all-encompassing system technology that makes doors safe.





All a question of the system

The new ECO Newton door closers are a part of the comprehensive ECO Schulte door fittings system. ECO Schulte thinks in terms of complete solutions and is one of the very few system providers dealing in all aspects of the door. From hinges to handles and from locking technology to single and double-leaf door closing systems, the company provides all safety relevant components from a single source. A unique, logical overall concept in regard to technology, function, form and service, because safety is inseparable

The best thing that can happen to a door

The profiled aluminium body unit of the new ECO Newton door closer generation is the heart-piece and functional highlight of this series. Although its characteristic profile gives it a reduced, technical appearance, the system also sparkles with functional highlights.



Two units for the entire building:

The ECO Newton closer portfolio covers all door dimensions with only two basic closer units. In addition to this, end-mounted valve technology permits the mounting of the same closer on the hinge and hinge-opposite side (TS 41, 31, 50 and 20).



Stainless steel and aluminium:

Elegant materials are standard with ECO Newton: the stainless steel cover and aluminium body unit of the new door closer generation are perfectly matched with one another - in an architecturally compatible form language.



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.



Patented assembly system:

The base plate of the ECO Newton closer is fitted with standardized drill holes which allow its simple assembly. The special feature here is that it is surrounded and completely covered by the aluminium closer body unit.



New valve technology:

The new ECOvalve technology provides a wide and precisely settable adjustment range and thereby the simple, highly precise and permanently secure adjustment of all parameters of the closing process.



The door closer and slide rail form an integrated unit in aluminium and stainless steel.



Body unit:
Silver RAL 9006

ECOcllic: stainless steel
satin and polished

Body unit + ECOcllic:
White RAL 9016











Body unit + ECOcllic:
Black RAL 9005

Body unit + ECOcllic:
Brown RAL 8014





The slide rail or lever arms are always supplied in the same colour as the ordered body unit.

ECO Newton system overview

Door closer with slide rails

Description	Certificates ¹	Dimensions in EN ²	L x B x D in mm	Latching speed ³	Back-check ⁴	Closing speed adjustment	Delayed action ⁵	DIN L + R / HS + OS ⁶
TS 61 EN	 / 	5-6 infinitely variable	267 x 62 x 49	front-mounted	adjustable	front-mounted	optional	yes / yes ⁷
TS 61 EN	 / 	2-5 infinitely variable	287 x 62 x 49	front-mounted	adjustable	front-mounted	optional	yes / yes ⁷
TS 51 EN	 / 	1-4 infinitely variable	265 x 61 x 46	front-mounted	adjustable	front-mounted	–	yes / yes ⁷
TS 41 EN	 / 	1-4 infinitely variable	243 x 56 x 40	end-mounted	constant	end-mounted	–	yes / yes
TS 31 EN	 / 	1-3 infinitely variable	243 x 56 x 40	end-mounted	constant	end-mounted	–	yes / yes

Articulated arm closer

Description	Certificates ¹	Dimensions in EN ²	L x B x D in mm	Latching speed ³	Back-check ⁴	Closing speed adjustment	Delayed action ⁵	DIN L + R / HS + OS ⁶
TS 50 EN	 / 	1-5 infinitely variable	243 x 56 x 40	end-mounted	constant	end-mounted	–	yes / yes
TS 20 EN	 / 	2 / 3 / 5	243 x 56 x 40	end-mounted	constant	end-mounted	–	yes / yes

Legend: **1)** EN 1154 – CE mark and fire protection authorization **2)** Door size classes in line with European Norm (EN) **3)** Increases closing force shortly before closing so that the door snaps securely into the lock **4)** Regulates the force necessary to open the door **5)** Convenience delayed action, e.g. for hotel room doors **6)** Assembly left and right (L + R) possible, as well as hinge side (HS) or hinge-opposite side (OS) **7)** Please order version G (= hinge-opposite side)

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