

■ SYSTEM TECHNOLOGY FOR THE DOOR

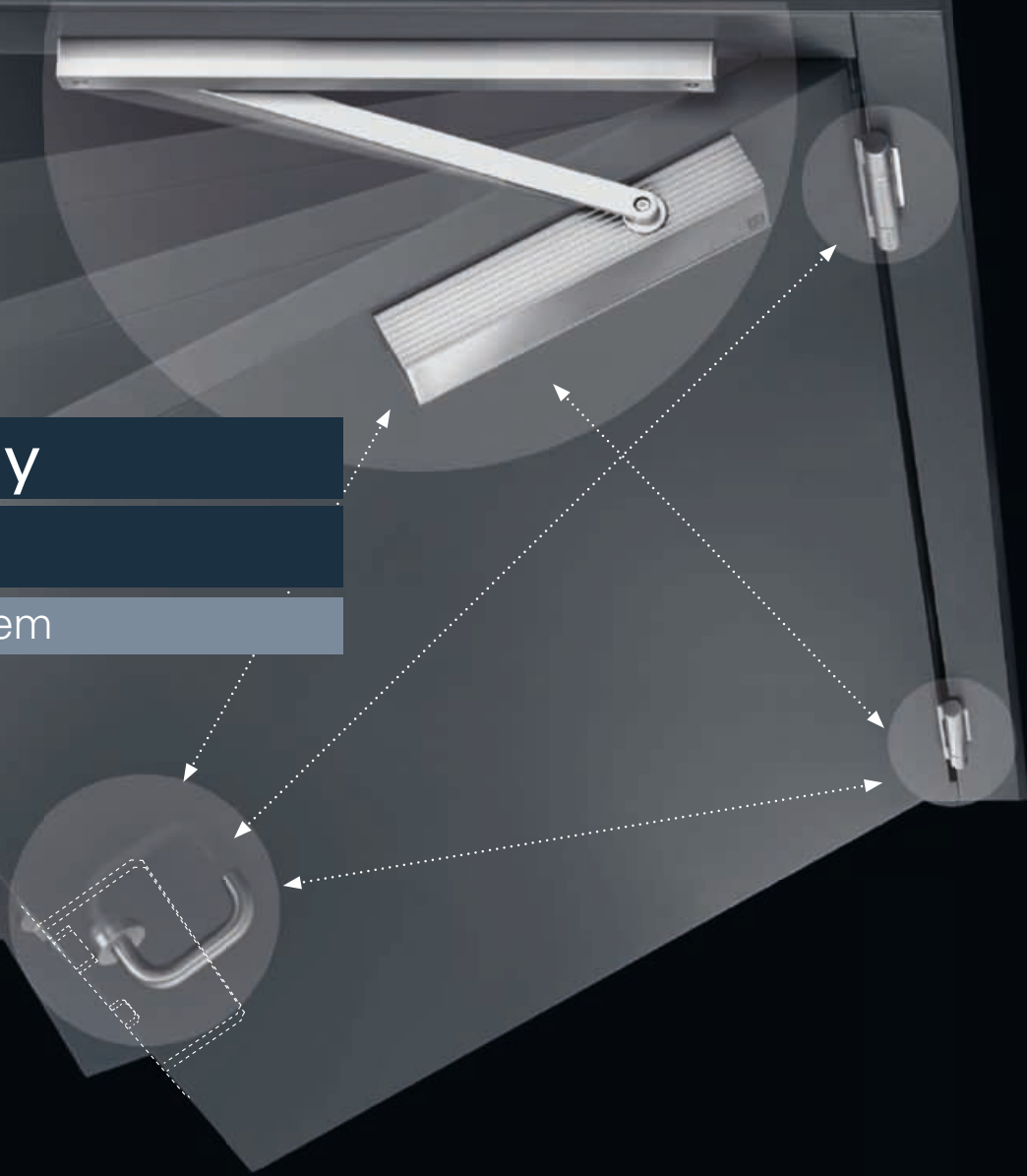


System Technology
in buildings



The interplay of forces

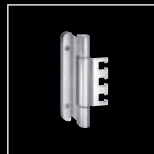
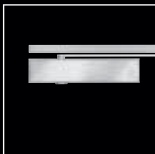
The door as a system



ECO Schulte: System Technology for the door

Security and ease of access are not necessarily contradictory features of a door. The door must be perceived as a complete system – then it soon becomes clear that only the optimum interplay of hinges, lock, handle technology and door closer can offer maximum closing security with comfortable opening force. Poorly positioned hinges or inaccessible locks soon lead to unfavourable closing forces – and soon bring door closers that promise easy access to the very limit of their security.

ECO Schulte defines security and ease of access through the ECO System – and builds in safety reserves for good measure. And naturally all components within the system comply with official european standards.





The Aesthete: ECO Newton

With the ECO **Newton** the ECO Schulte Group sets new standards in the form and function of door closers. The innovative power package makes the door more secure and more accessible, as it views these two features as interdependent components of the system.

The ECO **Newton** won the iF Design Award 2012 for this clever concept and its good design.



Don't panic: EPN 2000 II

As part of the red dot award Product Design 2010 the EPN 2000 II was awarded the „red dot“ seal of quality by a high calibre panel of experts for its high design quality. It was also nominated for the German Design Award.



Security without compromise: ECO hold-open systems

The highly functional livesaver with its excellent design quality was also very well received by experts. It won the internationally prestigious red dot for its successful design and has also been nominated for the German Design Award 2014: the premium international price of the German Design Council.



Defying the laws of leverage: OBX 20

Extreme load capacity and optimum operating characteristics are the hallmarks of the ECO OBX hinge technology. Through a unique, patented bearing technology, all the products in this series guarantee the very highest levels of comfort, even under heavy pressure. The slim hinges with their exceptional design integrate harmoniously into the overall image of the door.



Strong within buildings

Secure planning with ECO

Whether you are dealing with a steel, wood or profile door, we understand the particular demands of each door and can supply the right hardware for any application.

We support you and your building from the initial planning stage through to the final certification on site. Our range of services includes:

- Technical advice
- Support with preparing contract specifications
- Support with preparing a list of doors and technical drawings
- Elaboration of special product or individual solutions
- On-site sampling
- Introduction to qualified installation partners
- Supervision of installation / Certification of our products

As a system provider for all work phases we create comprehensive solutions - continuity within the building. Our network with the door industry supports us. Always with full compliance with all standards – and always with a view to functionality, design and security.

ECO Schulte – Your partner for secure buildings – worldwide.
Contact us direct: www.eco-schulte.de/objekt or objekt@eco-schulte.de.

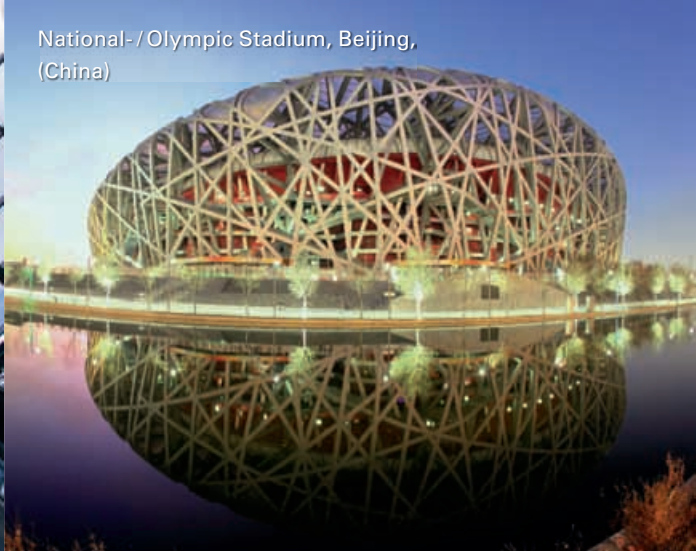


Scan the QR code
and experience
system technology
in buildings.

Millenium Tower, Vienna,
(Austria)



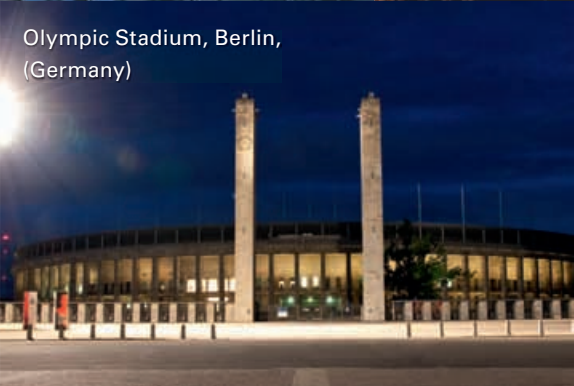
National-/Olympic Stadium, Beijing,
(China)



Humboldt University, Berlin,
(Germany)



Olympic Stadium, Berlin,
(Germany)



Hilton, Dresden,
(Germany)



Inner harbour Duisburg,
(Germany)



Aiport Beijing,
(China)



Centro Commercial, Lissabon,
(Portugal)



European Parliament Brussels,
(Belgium)



Centro, Oberhausen,
(Germany)





In worldwide use Wherever there's a door...

All around the globe builders and investors are working with architects and planners to bring sophisticated projects to fruition. One thing they all have in common is the need for clever door solutions. Our philosophy of system security on the door is present in contemporary architecture as well as in striking hotels, public buildings, private residences, royal palaces, private homes and stadiums.

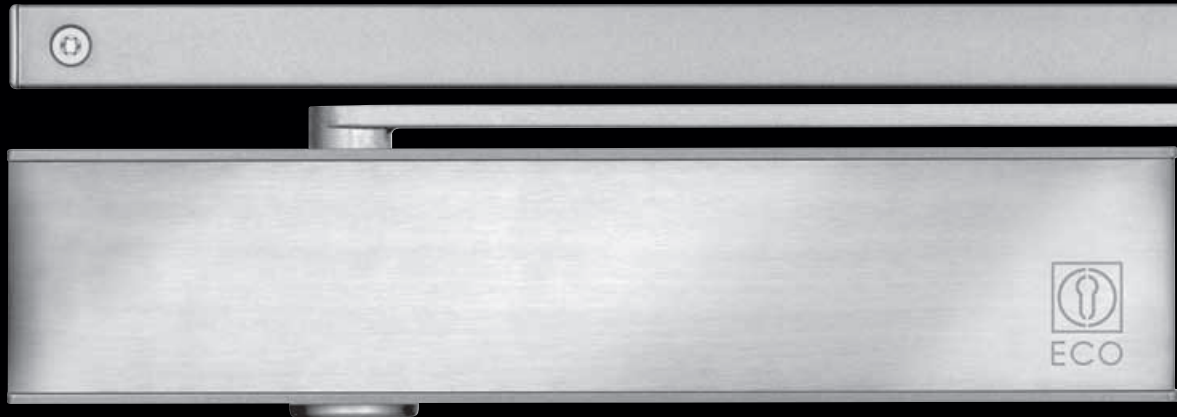
Whether they are sold under our own brand name or by well known door manufacturers as OEM products, the solutions from ECO Schulte make doors function better all over the world. Wherever there's a door, ECO Schulte won't be far away.



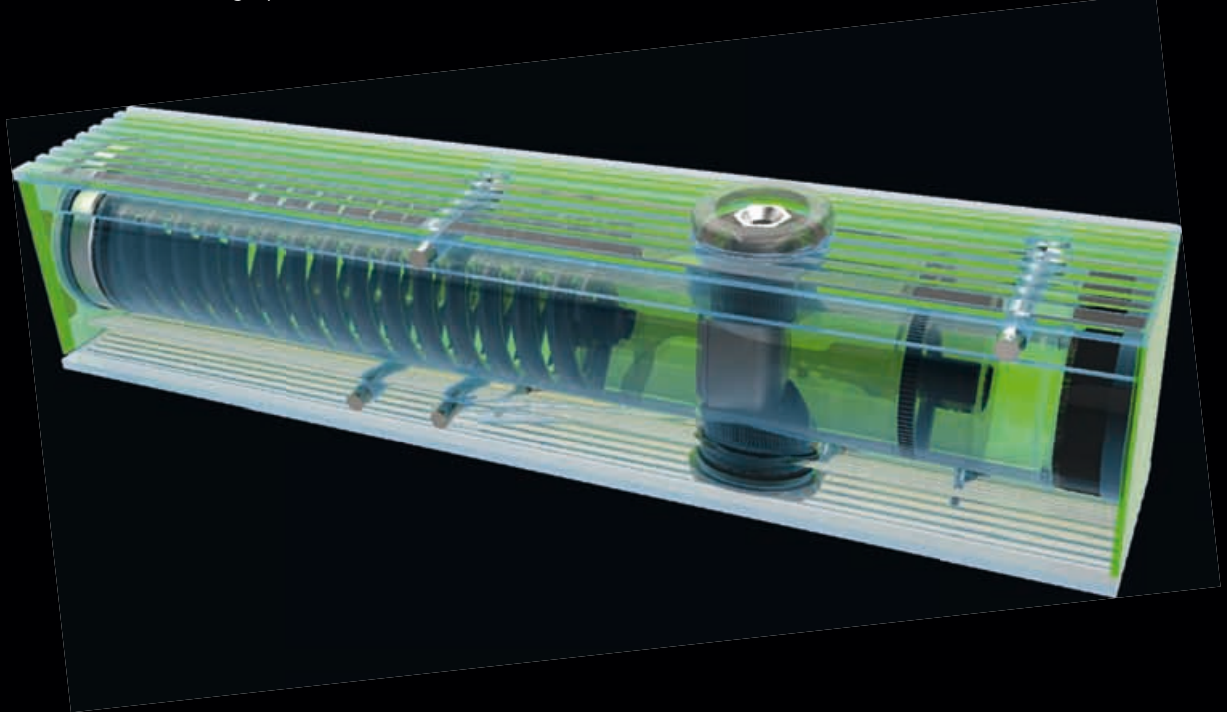


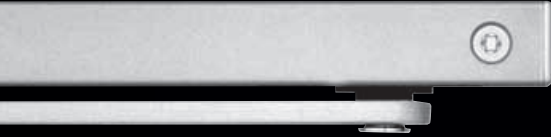
Powerful and precise ECO Newton





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





Powerful and precise ECO Newton

Door closer must be able to cope with routine operation and emergency situations: they soften the door strike and ensure secure closing. In emergency situations they guarantee that fire zones can be separated reliably, thus saving lives. In everyday use the asymmetrical gearing mechanism minimises the need for additional force when opening the door.

The new ECO Newton door closer generation combines tried and tested spring force retention with two innovative concepts: the new ECOvalve technology and the 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 classic standard arm and aesthetic slide rail.





The choreography of security

ECO hold-open systems







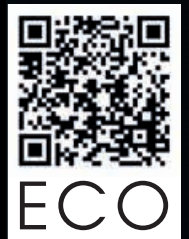
The choreography of security ECO hold-open systems

Door hold-open systems are highly complex systems which were designed to separate fire and smoke sections independently and purely mechanically. In the event of a 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.

Save assembly time with
ECO closing sequence selectors:
easy – fast – secure

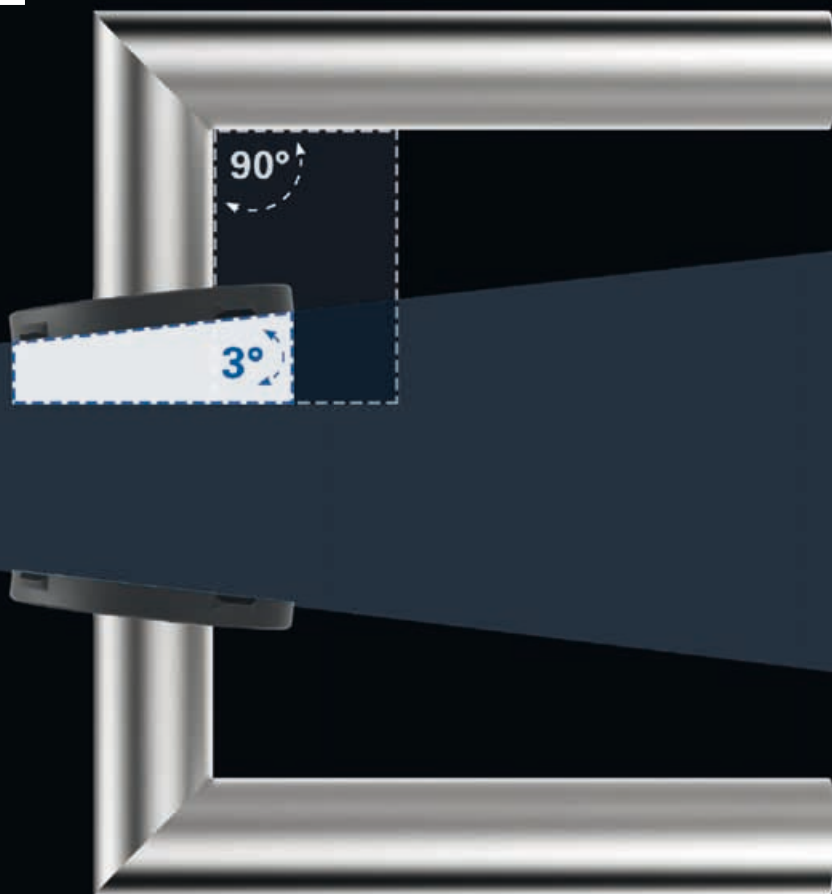
Scan the QR code
and watch the film about the
new installation technology





A perfect fit ECO OKL Magis





The flexible bearing operates within the ball bearing unit and can compensate for uneven door surfaces of up to 3°.

A perfect fit ECO OKL Magis

ECO uses this high quality ball bearing technology for products from the premium segment. This precision ball bearing unit is a distinctive feature of these high quality fittings. A precise, maintenance free, fully-cased grooved ball bearing system ensures a smooth, play-free handle operation.

This tactile handle offers full clearance while integrated return springs support the returning mechanism of the lock. A wave spring washer levels out the axial play of the bearing.

OKL latches have undergone more than two million application cycles at independent institutes with no problems. They have been certified according to EN 1906, usage category 4, and approved for fire protection in accordance with DIN 18273. This range of fittings therefore meets the very highest demands in your building.





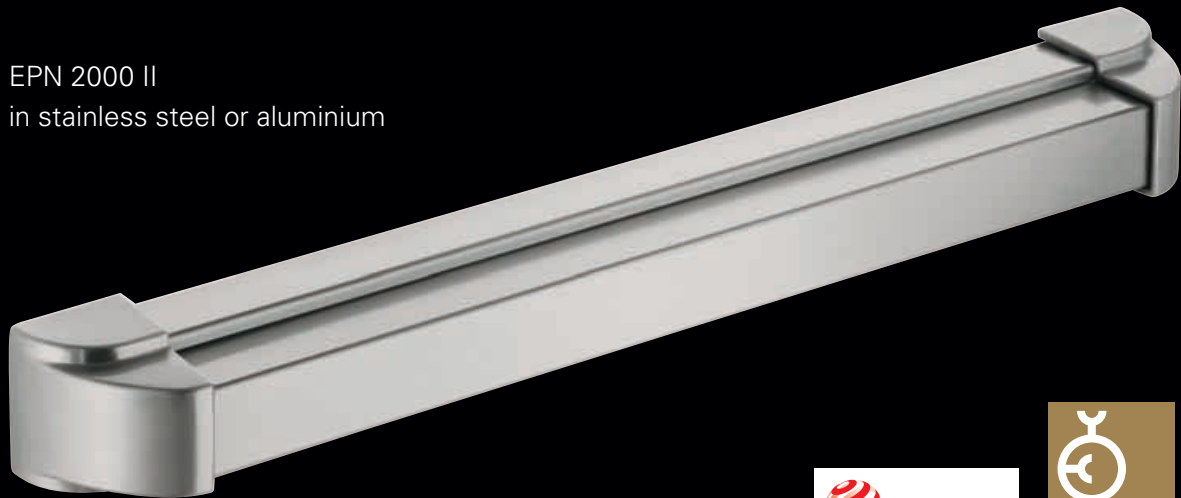


Life-saving precision ECO panic, lock and bolting technology





EPN 2000 II
in stainless steel or aluminium



Life-saving precision

ECO panic, lock and bolting technology

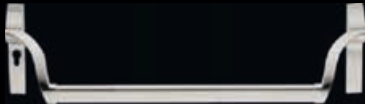
Panic bolting technology ensures that people can get out of a danger zone at any time, even in a panic situation. One push on the horizontal activation element or panic bar is all it takes and the door springs open - irrespective of whether it was locked or not.

ECO unlocking solutions also open up the escape route when a crowd of people press against the door. Even the strength of a child is enough to open the door to escape from a fire or toxic smoke.

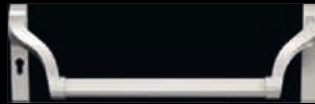
ECO bolting technology satisfies European standards **EN 1125** (Panic locks with horizon-

tal activation bars) and **EN 179** (Emergency exit locks with handles or push plates) - and demonstrates the company's expertise: The lock and release element are developed and manufactured in coordination with one another.

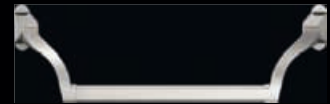
With panic systems in particular it is important to perceive the door as a system because it is not only the panic lock, door lock and fitting that have to interact perfectly so that the door can help in a life-threatening situation. The door closers and hinges also have a decisive influence on the ability to satisfy the high demands set by the standard.



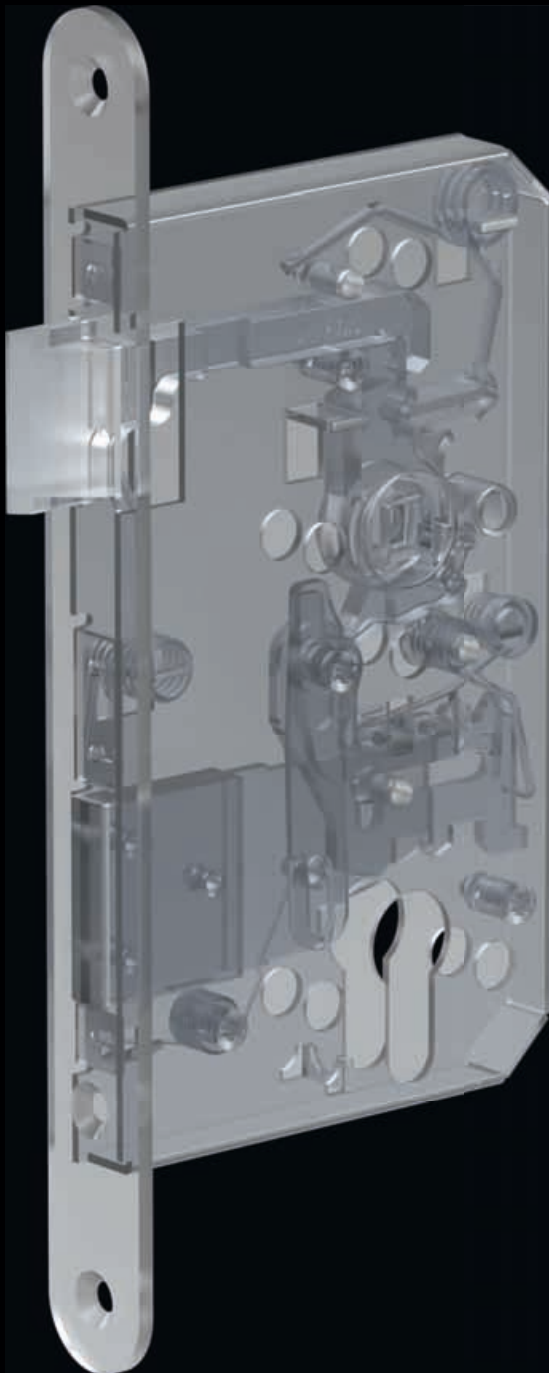
EPN 900 III
in stainless steel,
aluminium or nylon coated



EPN 900 IV
in stainless steel,
aluminium or nylon coated



EPN 950
in stainless steel or
aluminium



Housing locks
e.g. GBS 15



Fire locks
e.g. GBS 81



Panic locks
e.g. GBS 90

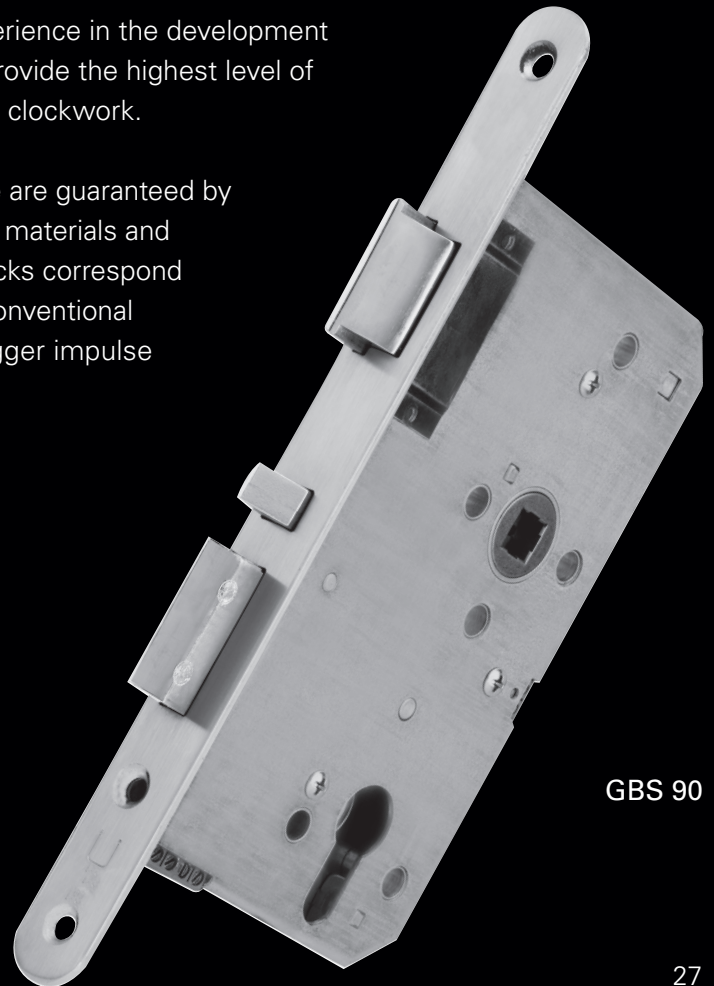
Life-saving precision ECO lock technology

ECO Schulte can look back on many years experience in the development and manufacture of locks. ECO Schulte locks provide the highest level of security in all areas and function as precisely as clockwork.

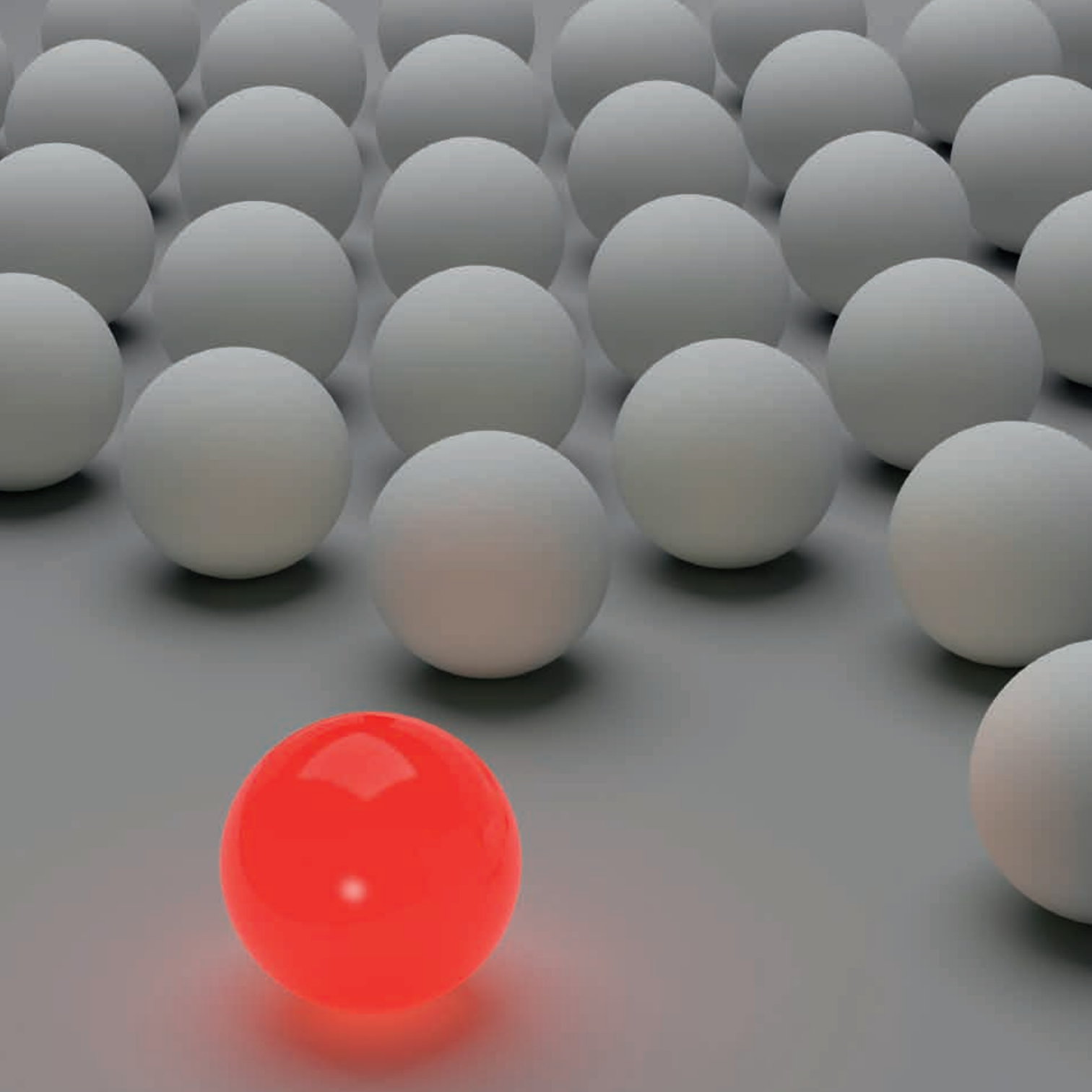
Long-lasting functionality and a long service life are guaranteed by state-of-the-art manufacture, using high quality materials and construction measures. As panic locks, ECO locks correspond with horizontal panic triggering elements and conventional ECO fittings in the ideal manner. A defined trigger impulse ensures that the door springs open abruptly.



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and watch the film about
the new panic functions



GBS 90





One in a thousand ECO OBX hinge technology





OBX-20-1531/160
for rebated doors



OBX-20-2541/160
for unrebated doors



One in a thousand ECO OBX hinge technology

The hinges connect the door leaf to the frame and enable its opening and closing. The German term Band originates from the time when doors had iron bands fitted to them, the ends of which were bent to form an eye. This eye was then hung onto a tang protruding from the door frame, thus giving rise to the English word hinge.

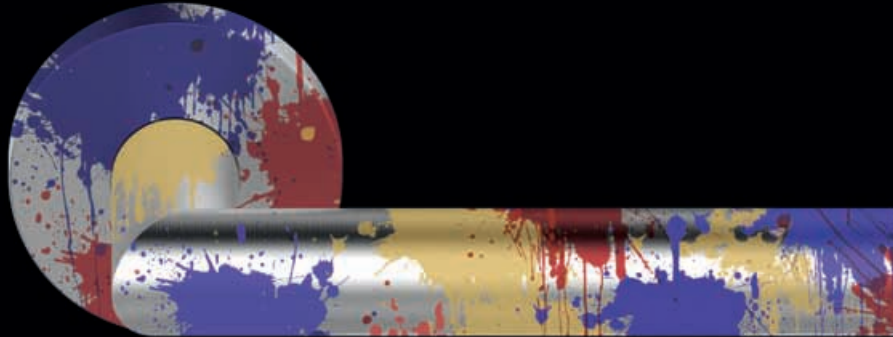
Door hinges must be precisely coordinated to the dimensions of a door - to its measurements, weight, type of mounting and location. They are not just hard-wearing components of a door. ECO Schulte can look back on decades of experience in the manufacture of hinges. ECO hinges are premium products that comply with the standard EN 1935. They bear the CE mark and are tested in the highest standard class (14).

The quality of a hinge is determined to a great extent by the quality of the bearing. ECO Schulte has therefore developed its own bearing technology especially for its hinge plates and patent-registered (DE 103 61 548.2).

The bearing is characteristic: the roller is guided top and bottom on a steel ball, each mounted in two high-strength plastic trays. This specific bearing is wear, maintenance and play-free and guarantees the light and smooth running of the door. The double bearing controls axial and radial forces effectively and permanently. In a series of practical tests this bearings technology was successfully tested by an independent institute for more than one million closing actions. That more than guarantees lifelong, secure functioning.



We can do colour, too:
ECO colour worlds



Contact us!







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