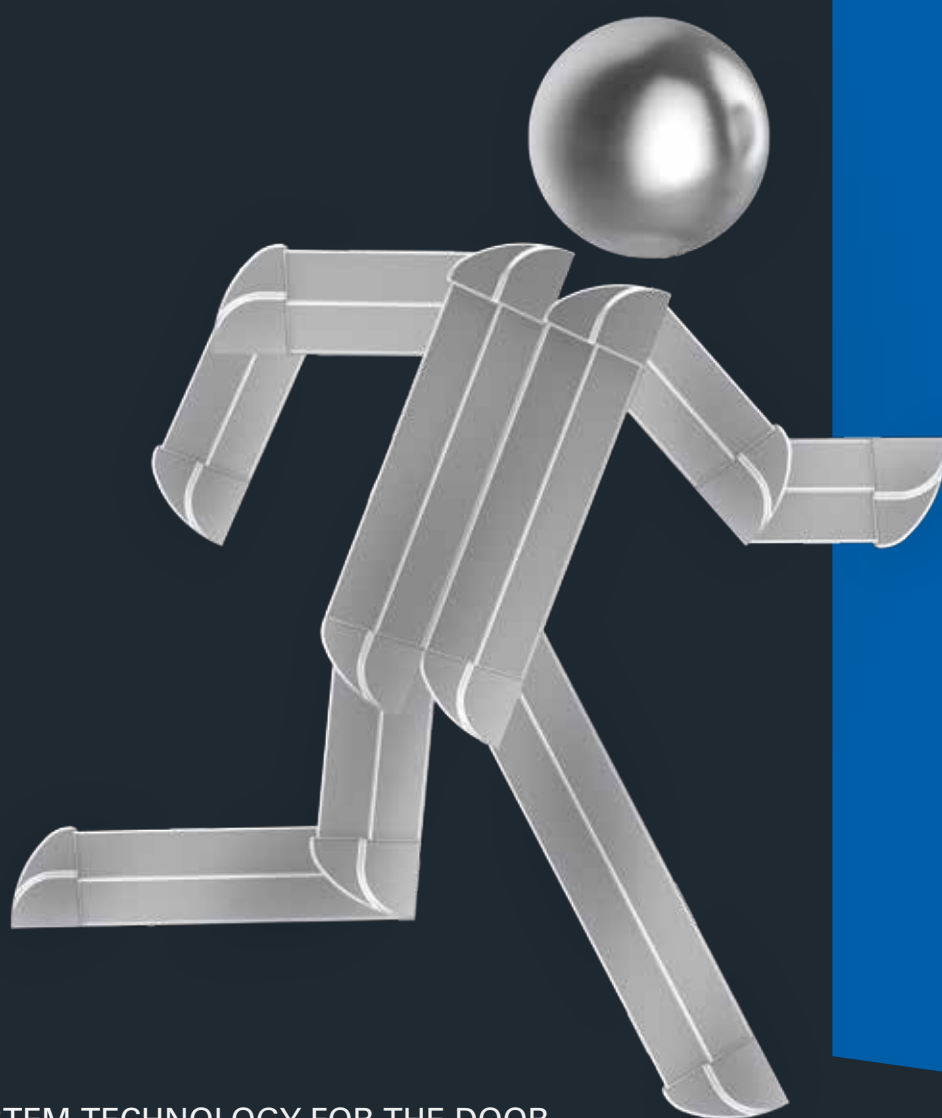
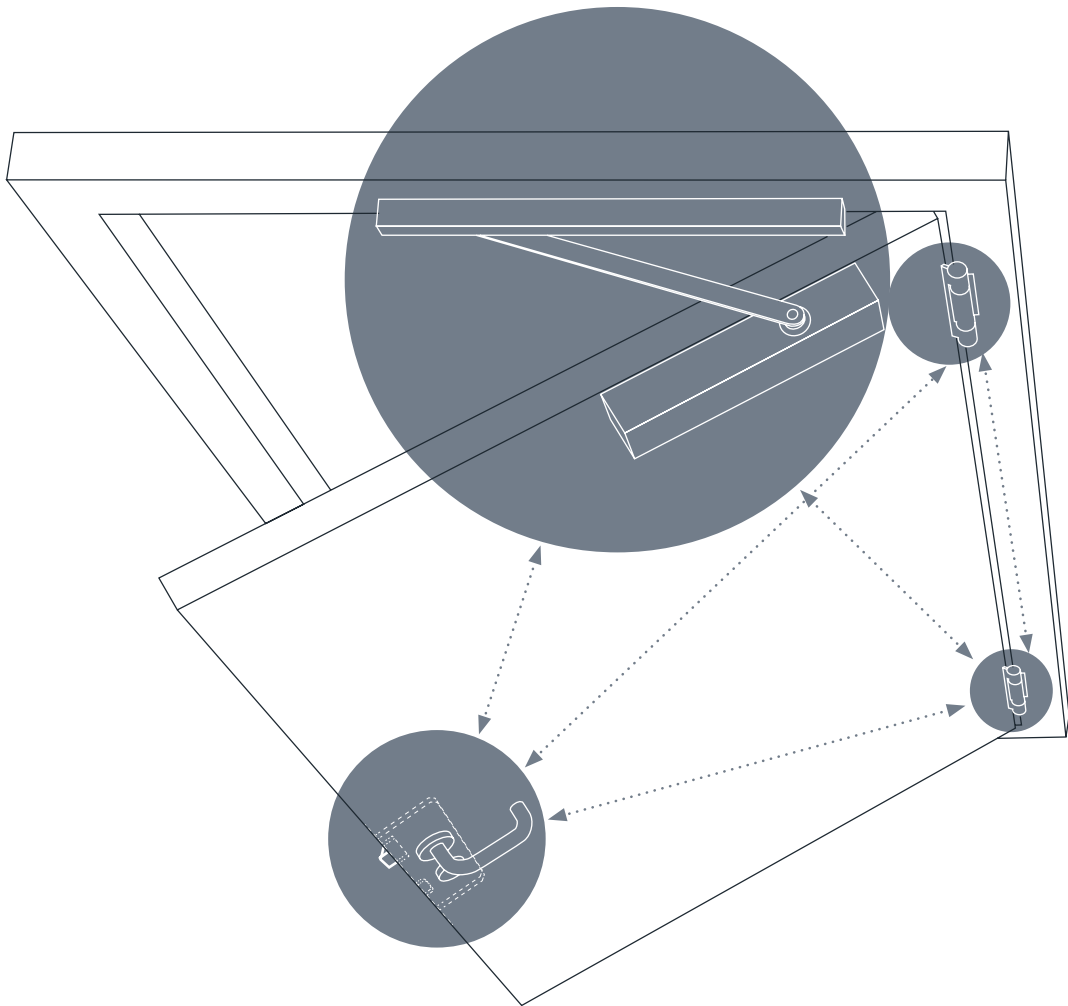


THE ECO SYSTEM: SAFETY AND DESIGN



■ SYSTEM TECHNOLOGY FOR THE DOOR

ECO Profile



An unique system for the door made by ECO Schulte. As a family owned, medium sized company ECO Schulte is ever expanding since its establishment in 1926. The company mainly engaged in design, development, production integration and systematic on the system for the door, including handles, locks, door closers, hinges, and panic bar systems etc. We recognized at a very early stage that the essence of a door is safety and security, which are inseparable. The simple fact here is that only the ideal interplay of all parts of the fittings can ensure that the door functions properly in all situations and conditions.



ECO Schulte Headquarters in Menden


 Heinz, Tobias Schulte and
Andrea Widmann

Where there's a door...

Whether our own brand products or as an OEM partner product of renowned door manufacturers, ECO was able to provide solution of system technology for the door all over the world.

Around the world, builders and investors are realizing demanding projects together with architects and planners. Clever solutions for doors are always in demand. Our philosophy of system security and reliability in the door is to be found just as much in contemporary architectures.

Nowadays ECO offers solutions for all kind of project types such as Hotel, Healthcare, Commerce, Residential, Public, Industry, Transportation and Education.





Hotel

Hotels are characterized by different kind of decorative styles. These decorative styles as well as the interior design are consistent throughout the hotel. Architectural products must perfectly blend in with the interior design. At the same time they must fulfill their purpose in securing the exits or providing a comfortable use of doors to the hotel guests.



Healthcare

A hospital provides medical services to the public and is therefore operating 24 hours a day and 7 days a week. Throughout the day a hospital deals with a high number of visitors and patients. And every 10th patient gets his infection in the hospital because of bacteria's. This means that architectural hardware must also provide protection against bacteria on top of user comfort and security.





Commerce



Commercial buildings include for example high-rise office buildings or large shopping malls. Safety is one important aspect that is influencing the choice of architectural hardware. The products must be reliable to provide a well-functioning exit in case of emergency as well as durable to cope with the daily usage. To finally connect such reliable and durable products to the Building Management System is becoming more and more a must in commercial projects.



Residential



Security is the primary need of residential buildings. Security includes the management of hundreds of different entry permits but also the safe escape in case of any emergency. Another important private need is a nice and unique handle shape on the interior doors that is in line with the latest trends.





Public

Public buildings include for instance museums or sport stadiums. Where there are lots of people the doors are facing constant usage. Often such projects are designed in a very unique way by the architect. The architectural hardware must integrate perfectly into the design of this kind of project and fulfill the safety and fire requirements.



Industry

Industry buildings cater different kind of activities and processes dependent on the company's business area. Generally industrial workspaces need larger space because of machines or other kind of equipment. The whole door system should be durable to withstand damage or violence through persons or objects. At the same time some doors lead to restricted areas where not every staff should have access to.





Education



Schools, kindergartens, universities or other student facilities are considered as education buildings. The main users are often younger people. This means the doors must be easy to open and have durable as well as long-lasting hardware.



Transportation



Transportation buildings include for example airports, railway or metro stations. A high reliability and security is a must. Additionally the product systems must be integrated into the Building Management System for an overall management of the project. The task is to bring both requirements, mechanically and electronically, together and offer the right solution in terms of security and user convenience.



Standards are Defined Safety and Security

The door and the technology that makes a door function properly form a highly complex system. The key to the functional reliability of the whole system is a standards concept which defines precise requirements and test procedures for the various products.

ECO Schulte regards standards as an unconditional guarantee which must be at least fulfilled - but which ECO often enough exceeds when it is of benefit to the processor, user or planner. The standards for door systems are recognized all over the world and help to guarantee a high level of safety, security and functionality across national frontiers and beyond the limits of individual product ranges. This applies to the individual components as well as the entire system.

The future of standards and norms is already reflected in the corporate philosophy of ECO Schulte: While it is mainly the individual functional elements that are described today, the standards of tomorrow will be dedicated more and more to conceptional units as well as the door as a complete system.



ECO products are manufactured in accordance with the following European standards:

DIN EN 1906:2010

Door handles and knobs

DIN EN 1125:2008

Panic door locks with a horizontal activation bar for doors in escape routes

DIN EN 1154:1996 + A1:2002

Door closing mechanisms with a controlled closing sequence

DIN EN 179:2008

Emergency exit locks with handles or impact plates for doors in escape routes

DIN EN 1158:1997 + A1:2002

Closing sequence regulators

DIN EN 1935:2002

Single axis door and window hinges

DIN EN 12209:2003

Mechanically operated locks and strike plates

(Photos: Tecfire ME)



Dubai Opera

Project by ECO Schulte



ECO

The World of ECO Schulte



Door closer technology

The ECO System: Safety and Security

The world of ECO Schulte is the technology in a very few system suppliers in the world, the co approach. The technologies are developed and co coordination with the manufacturers of doors and ists in tradesman's businesses. ECO never focu product here but always on the interplay of all co system, from the closer to the hinge and from th door is a complex structure of safety and securit limb – and values. All of these are valuable comm the best quality and maximum functional reliabil enough where doors are concerned – ECO Schu

Panic, lock and bolting technology

Hinge technology

are Inseparable

nd around doors. As one of
company pursues a universal
constantly refined in close
d the processing special-
ses purely on the individual
omponents within the door
ne lock to the fittings. The
y which protects life and
modities which deserve
ity. Only the best is good
lte.



Handle technology

We can do colour, too:

ECO colour worlds



ECO colour worlds- tailored to the particular needs in your projects. We offer a big range of special finishing, done by coating or simply painting, to suit the design inside a project or only on a door.





ECO
colour
worlds





Door closer technology

**Aesthetic
Powerhouses**

The Aesthete: ECO Newton

The new door closer generation from ECO Schulte: a meticulously well-conceived design consisting of a stainless steel cover and aluminium body. Concealed mounting plates, adjusting elements protected against vandalism, colour-matched materials and the variable combination of all slide rail door closers with closing sequence regulator systems are the distinguishing features of this new generation of door closer models. In addition to this, the new "ECOvalve" technology guarantees the simple and high-precision adjustment of all parameters of the closing process.



ECO Newton TS-61

ECO Newton overview

Door closer with slide rail		TS-61	TS-61	TS-51	TS-41	TS-31	TS-33
■ Continuously adjustable □ Constant - Not available	Closing force size acc. to EN	5-6	2-5	1-4	1-4	1-3	3
	Door width	≤ 1400 mm	≤ 1250 mm	≤ 1100 mm	≤ 1100 mm	≤ 950 mm	≤ 950 mm
	Latching speed	■	■	■	■	■	■
	Closing speed	■	■	■	■	■	■
	Back-check	■	■	■	□	-	-
	Tested acc. to EN	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A	EN 1154 A

Door closer with standard arm		TS-50	TS-20	TS-15	TS-14	TS-10 D EN	TS-10
■ Continuously adjustable □ Constant - Not available	Closing force size acc. to EN	1-5	2/3/5	2/3/4/5	1/2/3/4	2/3/4	2/3/4
	Door width	≤ 1250 mm	≤ 1250 mm	≤ 1250 mm	≤ 1100 mm	≤ 1100 mm	≤ 1100 mm
	Latching speed	■	■	■	■	■	■
	Closing speed	■	■	■	■	■	■
	Back-check	□	□	-	-	-	-
	Tested acc. to EN	EN 1154 A	EN 1154 A	-	EN 1154 A	EN 1154 A	-

The highlights of the ECO Newton range

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).



ECO **UNITY**

Combination of elegant materials

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.



ECO **PHYSIS**

Well-conceived assembly system

The special feature of the ECO Newton assembly system is that the mounting plate is completely concealed by the aluminium body of the closer, thus making it invisible. The mounting plate has standardized drill holes which guarantee time-saving, secure and simple attachment.



ECO **MOUNT**

New valve technology

The new ECOvalve technology offers a wide and precisely adjustable setting range. This means the simple, high-precision and permanently secure adjustment of all parameters of the closing process with one conventional allen key. As with all ECO Newton door closers, the closing speed and latching speed are regulated via the ECOvalve as a standard feature.



ECO **VALVE**

Uniform finishing edge and colour design

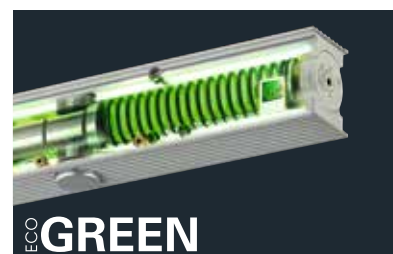
The mounted slide rail and door closer are flush when the door is closed. The colours of all materials are perfectly matched - right down to the end caps of the slide rail. In this way, ECO Newton door closers can be integrated harmoniously into every design context.



ECO **LINE**

Saves resources

ECO Newton door closers are up to 1,000 grammes lighter than comparable solutions. Their intelligent construction and carefully planned use of materials help considerably to save resources - without compromising functionality, safety, security or quality.



ECO **GREEN**

(Photos: Key Technologies HK)



Shantou University Medical College

Project by ECO Schulte

ECO Newton



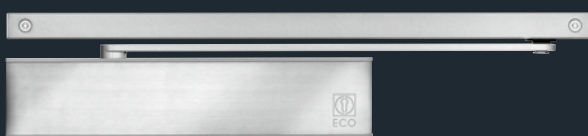
Door closer with slide rail



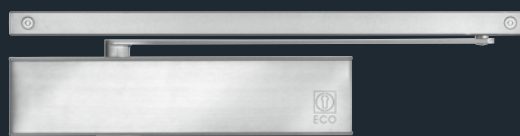
ECO Newton TS-62 (EN 2-5)



ECO Newton TS-61 (EN 5-6 / EN 2-5)



ECO Newton TS-51 (EN 1-4)



ECO Newton TS-41 (EN 1-4)

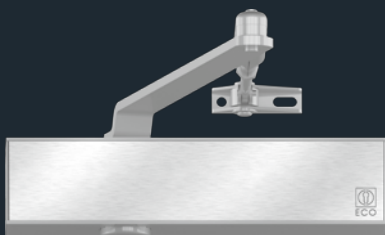


ECO Newton TS-31 (EN 1-3)

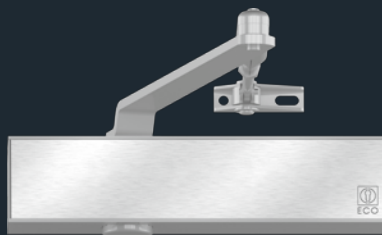


ECO Newton TS-33 (EN 3)

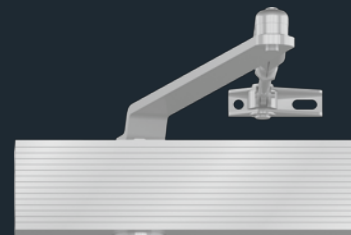
Door closer with standard arm



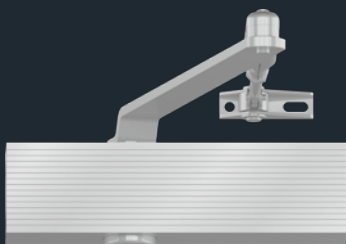
ECO Newton TS-50 (EN 1-5 / EN 2-6)



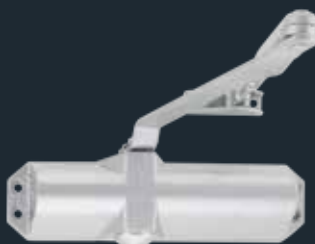
ECO Newton TS-20 (EN 2 / 3 / 5)



ECO Newton TS-15 (EN 2 / 3 / 4 / 5)



ECO Newton TS-14 (EN 1 / 2 / 3 / 4)



ECO TS-10 D EN (EN 2 / 3 / 4)



ECO TS-10 (EN 2 / 3 / 4)

Concealed door closer



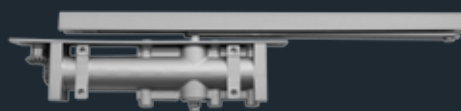
ITS Multi Genius (EN1-4 / EN2-5)



ITS 420 (EN 2-4)



ITS-400 (EN 2-4)

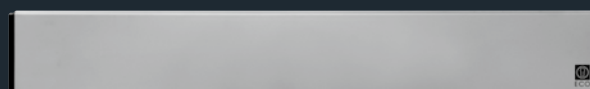


ITS-380 (EN 1 / 2 / 3)

Free swing closer ■ door operators ■ floor springs



FTS 63 / FTS 63-R (EN 2-5 / EN 5-6)



ETS 73 / ETS- 64-R (EN 3-7 / EN 4-6)



BTS FH650 (EN 2 / 3 / 4)



BTS FH840 (EN 2 / 3 / 4)

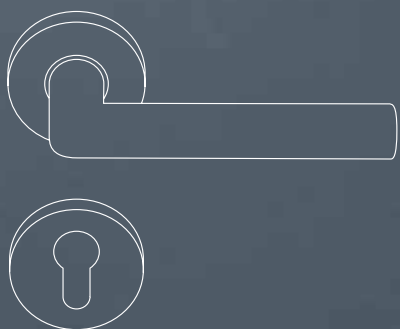
Door coordinators



SR door coordinator (B or BG)

SR-EF door coordinator with electro-magnetic hold open (B or BG)

SR-EFR door coordinator with electro-magnetic hold open and smoke detector (B or BG)



Handle technology

Latching on to things.

Comings and goings

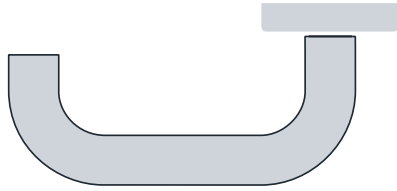
The door handle (or door latch) is one of the most frequently used functional elements in the home: it's the very first object that people make contact with when they enter a building and it hardly ever comes to rest in busy places. But the door handle is much more than a mere functional element of household technology. A person's first physical perception of a house is made through the door handle – and as we all know, you only get one chance to leave a good first impression.



The tactile encounter with the handle is aesthetic and ergonomic at the same time. The first thing is "what the handle feels like" and this refers not only to its shape but also to its mechanical qualities when pressed. The high-quality bearings in the handle not only allow it to function for a long time, they also convey a feeling of quality. ECO Schulte underscores this by granting a five-year warranty on its handle range.

The ergonomic shape of the handle results mainly from its function. It must of course be possible to locate and operate it intuitively. A good grip and reliable power transfer have to be guaranteed, because considerable forces are required when opening a door if its form is to help prevent fingers from getting jammed or squeezed. In addition to this, a design that complies with standards also provides the highest possible level of functional security.

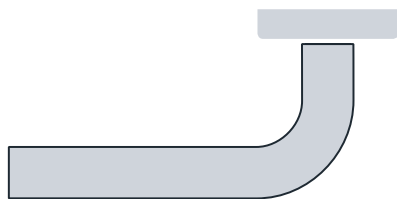
Timeless forms and classics



ECO D-110

ECO D-100 Archetype: U-shaped handle

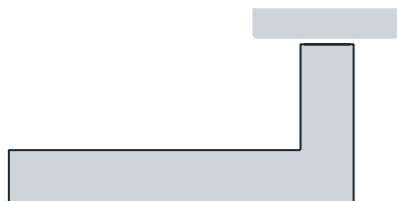
A classic with value added: the advantage of the u-shaped handle lies in the second 90 degree bend. It was used traditionally to prevent people or material from getting "threaded on". The rear bend helps to prevent shopping bags or coat sleeves from getting caught in the handle. The u-shaped handle also has comfort qualities, because the rear turn supports the ball of the hand when opening the door. ECO Schulte has the u-shaped handle in its product range as factory design draft D-110.



ECO D-210

ECO D-200 Archetype: Frankfurt standard L-shape handle

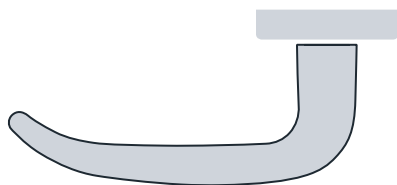
In their efforts to lower house construction prices and rents in the 1920s, many architects became involved with the standardization of construction components. The ECO D-200 is a variation of the draft that once made a name for itself as the Frankfurt standard handle where a round rod was bent to 90 degrees and positioned on a simple rosette. All of the Frankfurt versions are based on the idea of the right angle. ECO Schulte has included the Frankfurt standard handle in its product range in a high-quality modern interpretation as factory design draft D-210.



ECO D-310

ECO D-300 Archetype: Frankfurt mitred handle

The ECO D-300 is a variation of a geometric handle draft design from the 1920s which stands out through the legible simplicity of the construction: a circular tube is separated with a mitred cut before the two halves are joined together again at right angles. This handle was given the attribute "Frankfurt" not only through its close geometric relationship with the Frankfurt standard handle but also because it was used when the Frankfurt Architecture Museum was built. ECO Schulte has included its interpretation of the Frankfurt mitred handle in its product range as factory design draft D-310.



ECO D-410

ECO D-400 Archetype: Ulm handle

Made for getting to grips with! The archetype of this u-shaped handle was named after the Ulm School of Design where it was first used in the 1950s. The draft was based at the time on the door handles of the trains run by the Swiss railway. ECO Schulte reworked the Ulm handle with its own factory design version D-400.



ECO D-510

ECO D-500 Archetype: Hand-shape handle

As far as the typology is concerned, this handle constitutes a connection between the Frankfurt mitred handle and the Ulm handle. The design of this factory design draft D-500 is discreet, easy to grip and orientated towards the direction of movement.

Good, better, best: Quality bearings with a system

OKL - Premium handles with ball-bearing technology

OKL-bearing

These high-end project handles are characterized by an industrial ball bearing. The precise and maintenance free ball bearing technology ensures a well-balanced system. Additionally the flex-bearing, lying inside the ball bearing unit, balances uneven door surfaces for up to 3 degree. This premium and innovative solution will meet all standards for private or public doors.

- EN 1906, class 4
- With spring and 90 degree carrier
- Patented flex-bearing unit
- 1 million cycle tested



OGL - Handles with friction bearing technology

OGL-bearing

The main characteristic of this handle is a maintenance free nylon bearing that is floating on the steel base rose and balancing radial and axial free-play. This class 4 handle bearing can be used on doors with high frequency and a potential for violent usage such as in schools or football stadiums.

- EN 1906, class 4
- Unsprung
- 200,000 cycle tested



SGL - Handles with standard friction bearing technology

SGL-bearing

The bearing made of glass fiber reinforced nylon is guiding the handle axial as well as radial. A wave spring is compensating angular tolerances. A perfect and certified price/performance ratio for frequently used handles in all kind of buildings.

- EN 1906, class 3
- With spring
- 200,000 test cycles



BGL - Handles with standard friction bearing technology

BGL-bearing

The steel base rose and return spring ensure a proper and stable fixing on the door. The economic bearing is perfect for interior doors in public buildings or private houses.

- With spring



EN handles on round rose, short or long plate



D-110



D-120



D-190



D-210



D-310



D-312



D-330

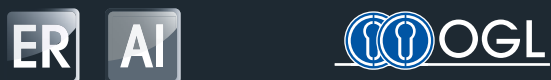


D-410



D-510

EN handles on oval rose



D-115



D-116



D-310



D-315



D-335



D-410



D-415



D-515

Basic handles on rose



D-2110



D-2210



D-2310



D-2340



D-2410



D-2510



D-2610



D-2620



D-2630



D-2640



D-2650



D-2660



D-2670



D-2680



D-2690



D-2710



D-2720



D-2740



D-2750



D-2760



D-2770



D-2110



D-2210



D-2310

Security handles on short or long plate



D-110



D-310



D-116



D-315

Legend:



Stainless steel



Aluminium



Nylon

(Photos: Key Technologies HK)

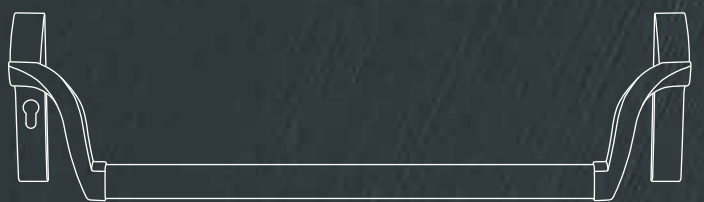


Singapore Sports Hub

Project by ECO Schulte

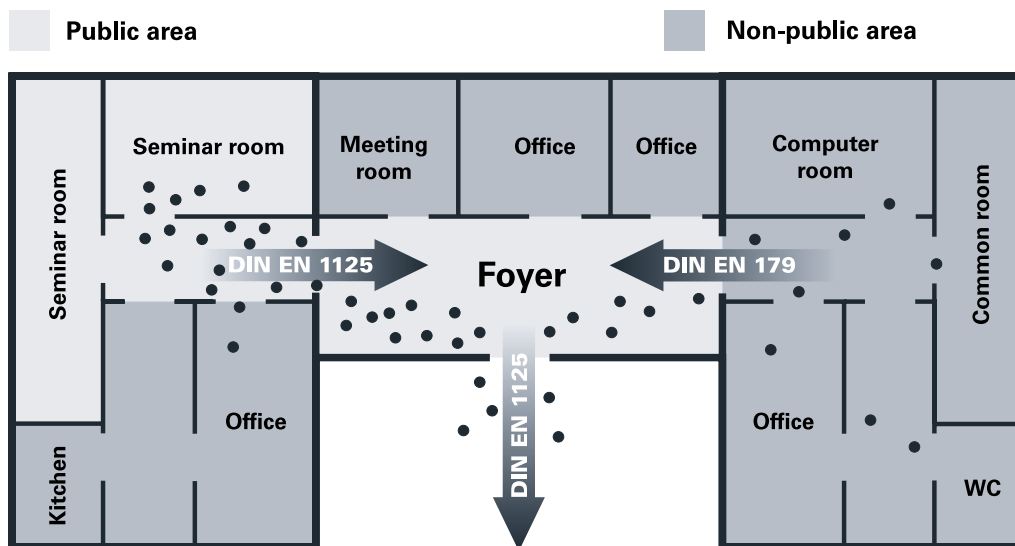
Panic, lock and bolting technology

Always on the safe side.



Differentiation by building utilization

The type of room and utilization of the building are decisive when choosing the right panic door combination. European standards **DIN EN 1125** and **DIN EN 179** define the fittings of panic doors and emergency exits. Emergency exit locks in compliance with **DIN EN 179** are not normally subjected to use by the general public. It is assumed here that the users of the building are acquainted with the escape routes, so conventional panic lock technology with a handle or impact plate are sufficient here. Panic locks with a horizontal activation bar in accordance with **DIN EN 1125**, on the other hand, are intended for use in buildings frequented by the general public. Our panic systems in conformance with **DIN EN 1125** ensure that persons who have panicked and are not acquainted with the functions of the door can always get out of the building safely.



Panic locks with a horizontal activation bar

EN 1125 

Panic locks in accordance with **DIN EN 1125** are used in public buildings in which the users are not acquainted with the functioning of the escape door but must nevertheless be able to operate them without instruction.

Panic locks activated mechanically by means of a horizontal handle or push-bar.

Areas of application:

- Hospitals and clinics
- Escape routes in schools and training centres
- Public administration buildings
- Stadia, arenas and events buildings
- Shopping centres

Users have no advance knowledge of how to open the escape door.

Emergency exit locks with door handle

EN 179 

Emergency exit locks in accordance with **DIN EN 179** for buildings or building sections not open to the general public and all areas where access by the general public can be excluded. Side entrances or doors in these buildings or building sections are only used by authorized persons.

Emergency exit locks operated mechanically by means of a handle or impact plate.

Areas of application:

- Private residential complexes
- School classrooms
- Non-public administration buildings or industrial companies
- Non-public areas of administrative buildings
- Non-public areas of airports, banks, shopping centres

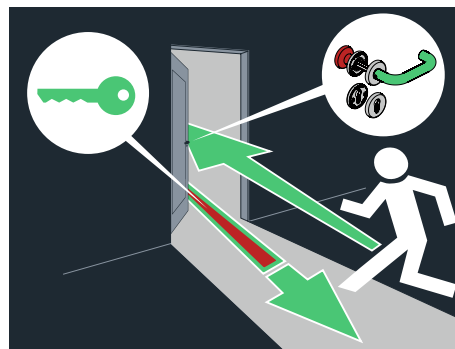
Users have advance knowledge of how to open the escape door.

Panic lock functions

A panic lock functions in line with a defined principle: when the handle or panic bar is activated from the inside, the lock must spring open abruptly with a defined amount of force. Not only the latch but, if needed the entire bolt is pulled back here. This basic function can be refined and varied using ECO technology:

Panic Function E – Alternating function

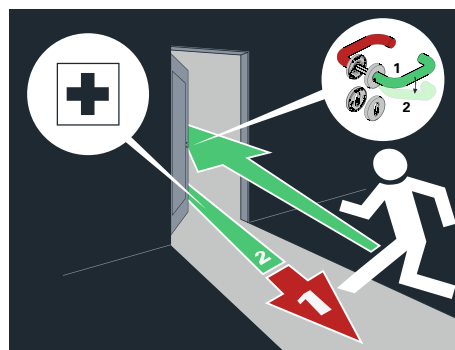
Panic Function E is intended for buildings with access for a defined group of people. A blind plate or knob is mounted on the outside and the door can only be opened with a key. Conventional panic function per handle from the inside. Area of application: heating room access doors, elevator systems, underground/ multi-storey car parks, storage and commercial buildings, entrance doors in rented apartment complexes and blocks of flats.



Panic Function D – Transit function

Panic Function D is intended for doors with a pure escape function which are not used otherwise. When the conventional panic function is activated from the inside, the door is opened and the outer handle is engaged as well. In this setting, the door does not constitute an obstacle when entering the building or escaping from it. The original function can be reset with a key. The coupling is mechanical via a two-part hub.

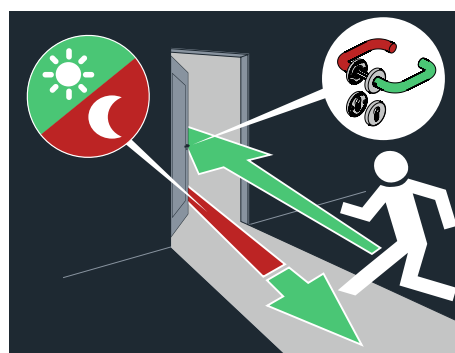
Area of application: escape doors in administration/ office buildings, retirement homes, side entrance doors (e.g. schools and hotels).



Panic Function B – Switchover function

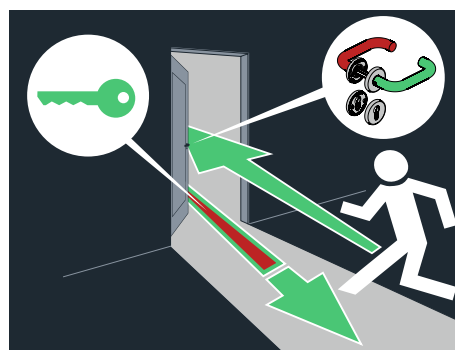
Panic Function B with a handle on both sides is designed for buildings open to the general public. While the handle on the inside has a conventional panic function, the outside handle can be engaged or disengaged mechanically as required. The two handles are coupled via a two-part hub.

Area of application: escape doors in administration buildings, retirement homes, side entrance doors (e.g. schools and hotels).



Panic Function C – Forced closure function

Panic Function C with a handle on both sides is designed for buildings open to the general public: While the handle on the inside has a conventional panic function, the handle on the outside is disengaged as standard (idle function) and a key position (open position) must be used to engage and disengage it (forced closure). However, the key can only be removed after the idle function has been set again. Fields of application: doors in administration or office buildings, retirement homes, side entrance doors (schools or hotels).



Panic bar systems ■ Touchbar



EPN 2000 II



EPN 3000 EN
Stainless steel satin

Panic bar systems ■ Pushbar



EPN 900 IV
Stainless steel



EPN 900 IV
Aluminium F1



EPN 900 IV
Black / red



EPN 500
Black / red



EPN 950
Stainless steel



EPN 950
Aluminium F1

Panic locks ■ For single-leaf wooden and metal doors



GBS 90



GBS 92



GBS 96



GBS 96 AVP



GBS 130

Panic locks ■ For double-leaf wooden and metal doors



GBS 93



GBS 94



GBS 97



GBS 97 AVP



GBS 98



GBS 140

Standard locks ■ For single-leaf wooden and metal doors



GBS 94F



GBS 180



GBS 187



GBS 190



GBS 198



GBS 199

Standard locks ■ GBS 31 F Series



GBS 31 F
Sash Lock



GBS 31F
Roller Latch Lock



GBS 31 F
Dead Lock



GBS 31 F
Latch Lock



GBS 31 F
Nightlatch Lock



GBS 31 F
Bathroom Lock



GBS 31F
Single Latch Lock



GBS 31 F
Single Dead Lock



GBS 31 F
Profile Sash Lock



GBS 31 F
Profile Roller Latch Lock

Standard locks ■ GBS 31 EN Series



GBS 31 EN
Sash Lock



GBS 31 EN
Dead Lock



GBS 31 EN
Latch Lock



GBS 31 EN
Nightlatch Lock



GBS 31 EN
Bathroom Lock



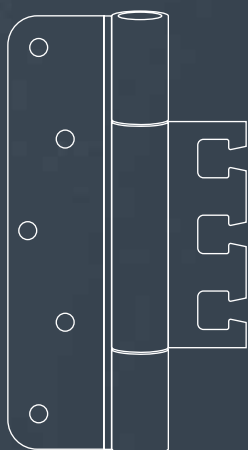
GBS 31 EN
Panic Lock



GBS 31 EN
Auto Deadbolt Lock

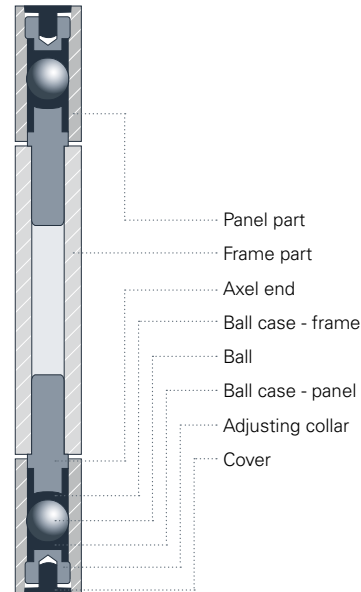
Hinge technology

Supporting rollers



Premium ball-bearings

The quality of a hinge is determined to a great extent by the quality of the bearing. That is why ECO Schulte developed its own bearings technology especially for its hinge plates and registered it for patenting (DE 1036 1548 B4). 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.



Maximum door weight of hinges*

Door type	Max. door load: 300 kg	Max. door load: 200 kg	Max. door load: 160 kg	Max. door load: 120 kg
Rebated	OBX-20-1531/160	OBX-20-1531/120	OBX-20-1951/120	OBX-18-1531/120
	OBX-20-1532/160	OBX-20-1532/120	OBX-18-1532/160	
		OBX-20-1951/160	OBX-18-1531/160	
Flush	OBX-20-2541/160	OBX-20-2541/120	OBX-18-2541/160	OBX-18-2541/120
	OBX-20-2542/160	OBX-20-2542/120	OBN-18-4141/160	OBN-18-4141/120
	OBN-20-4141/160		OBN 14	

*tested on a 2000x1000mm door

Hinge types - Versions

OBX hinges - Perfectly adjustable

Because hinges of this type are three dimensionally adjustable within the element that holds them when the door is mounted, installation is made considerably easier. The number behind the OBX mark indicates the diameter of the roller used. The OBX 20 is cast in stainless steel for the highest possible surface quality and fitting precision of the roller and eye.



OBN hinges - Firmly bolted for fixed doors

Hinges of this type are installed by the door manufacturer or processor and cannot be adjusted. The number behind the OBN mark indicates the diameter of the roller used. The OBN 20 and OBN 14 are cast in stainless steel for the highest possible surface quality and fitting precision of the roller and eye.



Project hinges OBX- and OBN-20 Series



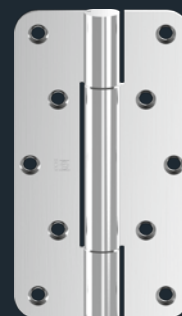
OBX-20-1531/160
3D Hinge



OBX-20-2541/160
3D Hinge



OBX-20-2542/160
3D Hinge



OBN-20-4141/160
Butt Hinge

Project hinges OBX- and OBN-18 Series



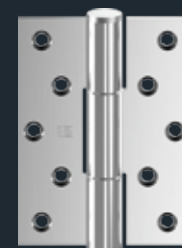
OBX-18-1531/160
3D Hinge



OBX-18-2541/160
3D Hinge

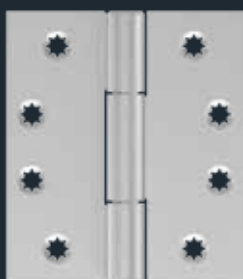


OBN-18-4141/160
Butt Hinge

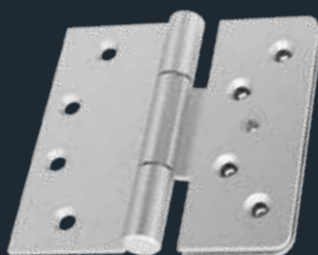


OBN-18-4141/120
Butt Hinge

Project hinges OBN-14



OBN-14
Butt Hinge



OBN-14 with adjustable frame box
2D Hinge

Concealed project hinges OBC Series



OBC-25-1440/150Z-3D



OBC-28-1640/177Z-3D



OBC-34-1845/246Z-3D

Project hinges OBN 13 Series



OBN-13 C/Z
Butt hinge



OBN-13-4353C/102
Lift off hinge



OBN-13-433H/102
Rising hinge



OBN-13 C
Security hinge



OBN-13 4325ZM/102
Flush hinge



OBN-13-4325ZM/102
Flag hinge

Adjustable frame boxes ■ Cover plates ■ Lifting lug



OBX adjustable frame
boxes for OBX-hinges



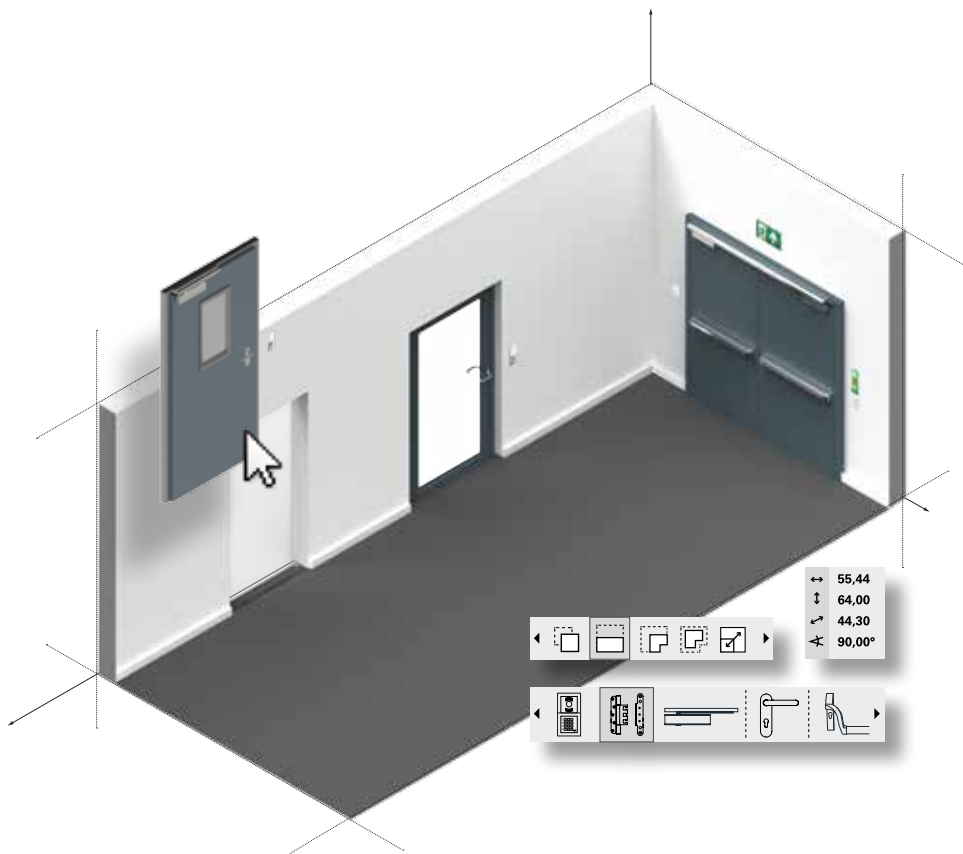
OBX-Cover plates
for adjustable frame boxes



OBX-Lifting lug
for OBX-hinges



Intelligent Door Management



ECO Intelligent Door Management

A world full of intelligently managed doors. Hardware, mechatronics and software are combined in the building and fire alarm technology. They grant access or prevent it. They open doors and close them again. They create escape routes and secure fire prevention areas. They identify users through their fingerprints or card systems, they document access and report any unauthorised activity. They protect our belongings – yet make them safely accessible to authorised people. And finally they save lives.



Hardware meets electronics

A door is a door is a door – not at all! While German artist Getrude Stein said famously that a rose is a rose is a rose, this by no means applies to doors. The doors in a project are highly individual! And hardly any other product in the wide world of architecture is currently experiencing such a revaluation in terms of its significance.

Hardly any interface in the logistics of a building needs to be networked as much as a door.

A door is a piece of movable wall. It regulates access into and within a property. So what could be more obvious than integrating this access into the building management system? Flows of visitors are checked and regulated – and this in all situations, no matter whether in normal operation or in emergency plans.



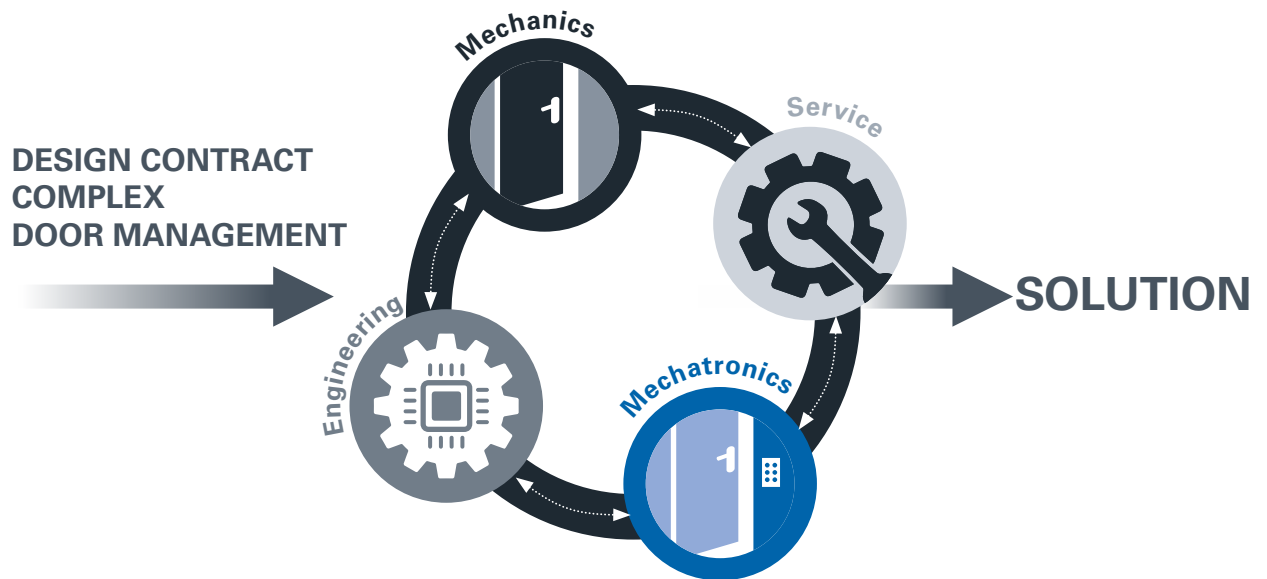
But first there are plenty of elements that have proved worthwhile. In terms of the hardware on the door, mechanical and standardized quality has gained acceptance. The mechanics play an impressive role in ensuring that we can safely leave buildings through escape doors under difficult conditions when necessary – even in blackout or emergency situations.

Yet ECO Schulte has kept on thinking and integrated its hardware in the buildings of the 21st century. With its Swiss partner, BSW Security, ECO Schulte offers complete solutions today – from the engineering through to the realisation of complex door systematics. This is where hardware meets building management systems.

We call this intelligent door management.



Architects and planners develop rooms, buildings and cities from their computers. Ever more complex planning generates ever more complex construction processes, where whole projects have to be broken down into every detail. Together with its partners, ECO Schulte makes a contribution towards keeping the world of hardware and software on doors both manageable and predictable.



The future of planning is digital – and flexible. ECO Schulte provides all the support and engineering services necessary for the planning and development of complex door systems. We make planning data available for the range of hardware and mechatronics for wood, steel and section doors. And, in case of any difficulty, our experts in technology and norms are on hand to help. What best complements good information is always perfect service.

Planners and contractors can expect a complete package of hardware, software and electronics as well as planning and service from ECO Schulte. And of course the guarantee that the system, as well as each individual component, conforms with the current standards.





ITM — Your Solution for sophisticated door systems



Escape terminal



Code keypad



Fingerprint reader
+ code keypad



Magnetic lock



Cable transition



Touchless switch



E-strike



Dead bolt switch contact

For further product details and solutions please contact our sales department.



ECO

Hardware for glass door handles

Glass door technology

Holistic solutions



ECO Glass door systems

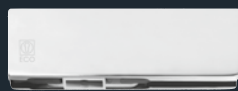
Unique sense of space

Glass doors are the best possibility to create ideal lighting conditions. They create a bright and friendly atmosphere and an unique sense of space.

Glass door handles, hinges and locks with their slim form and their elegant design accentuate the special character and the transparency of glass doors.

They are a main stay of contemporary architecture.

Patch fittings



GF-0100



GF-0200



GF-0300



GF-0400



GF-0500

Glass door pull handles



S-110



S-115



S-210



S-310



S-315



S-330



S-410



S-420



S-510

Accessories for glass doors



Glass clamping device

Cylinder technology

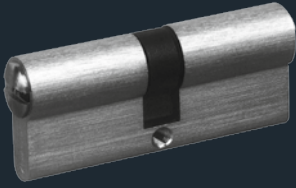
Management solution



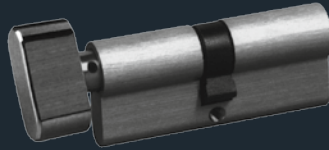
ECO cylinder technology - Providing safety and comfort

Creating the proper balance between safety and comfort is a challenge we have to face. The management of key systems (Masterkey solutions) is an excellent solution to balance safety and comfort in a building properly.

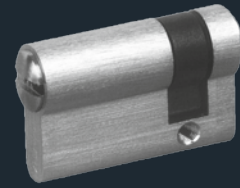
Europrofile cylinders



Double cylinder

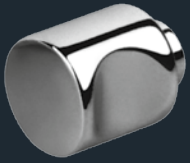


Thumb turn cylinder

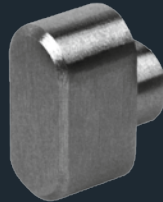


Half cylinder

Turn knob



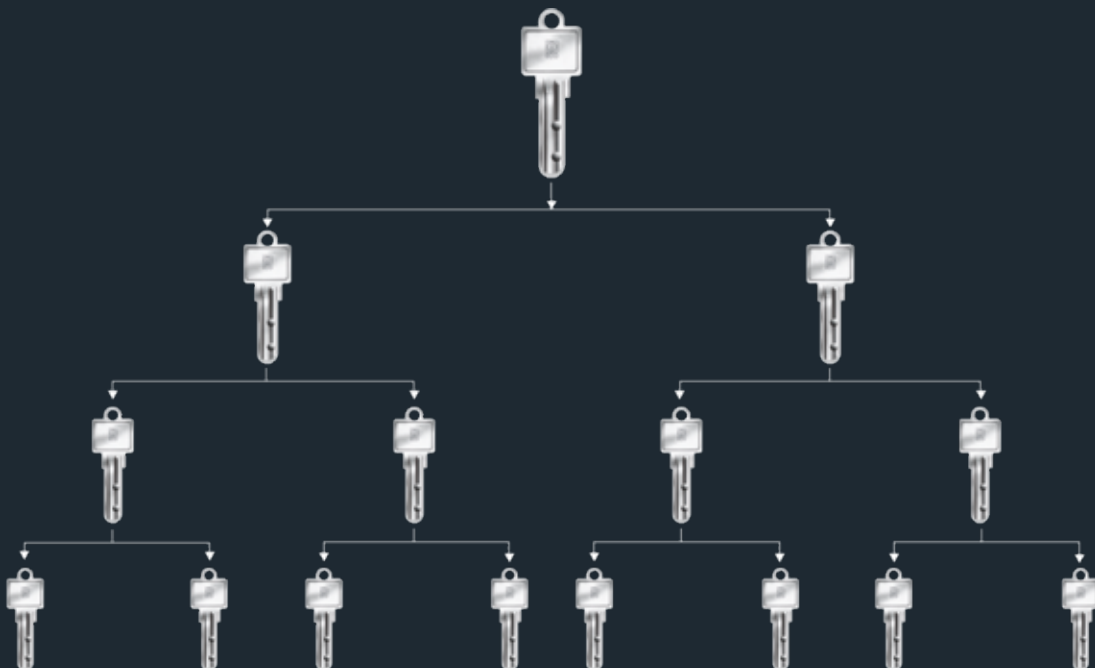
X - Ø17



X -T04

Masterkey system

- One present key needed to open any door in the house or company.
- Access can be set based on staff position.
- Suitable for all kinds of locks.



Sliding door technology

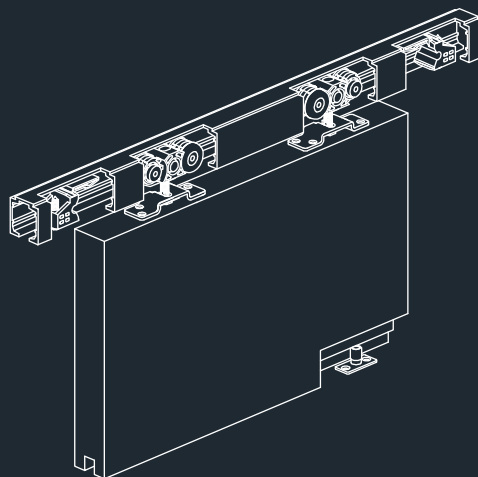
Holistic solutions



Sliding door system

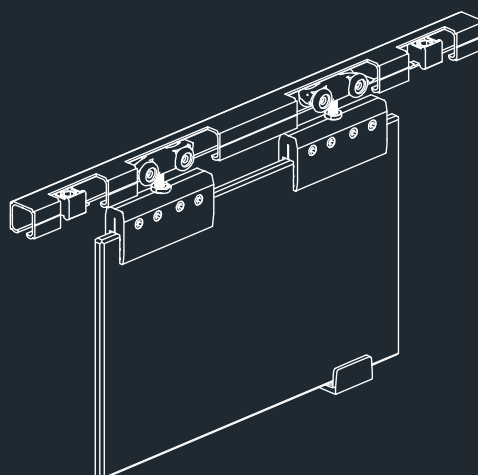
Sliding system for timber doors

Product characteristics	
Product	Max. Door Weight
HR SL60-W	60 kg
HR SL100-W	100 kg
HR SL160-W	160 kg
HR SL250-W	250 kg

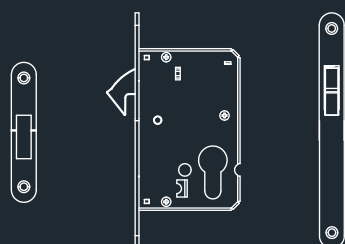


Sliding system for glass doors

Product characteristics	
Product	Max. Door Weight
HR SL80-G	80 kg
HR SL120-G	120 kg



Sliding door accessories



Sliding door lock (PZ / WC)



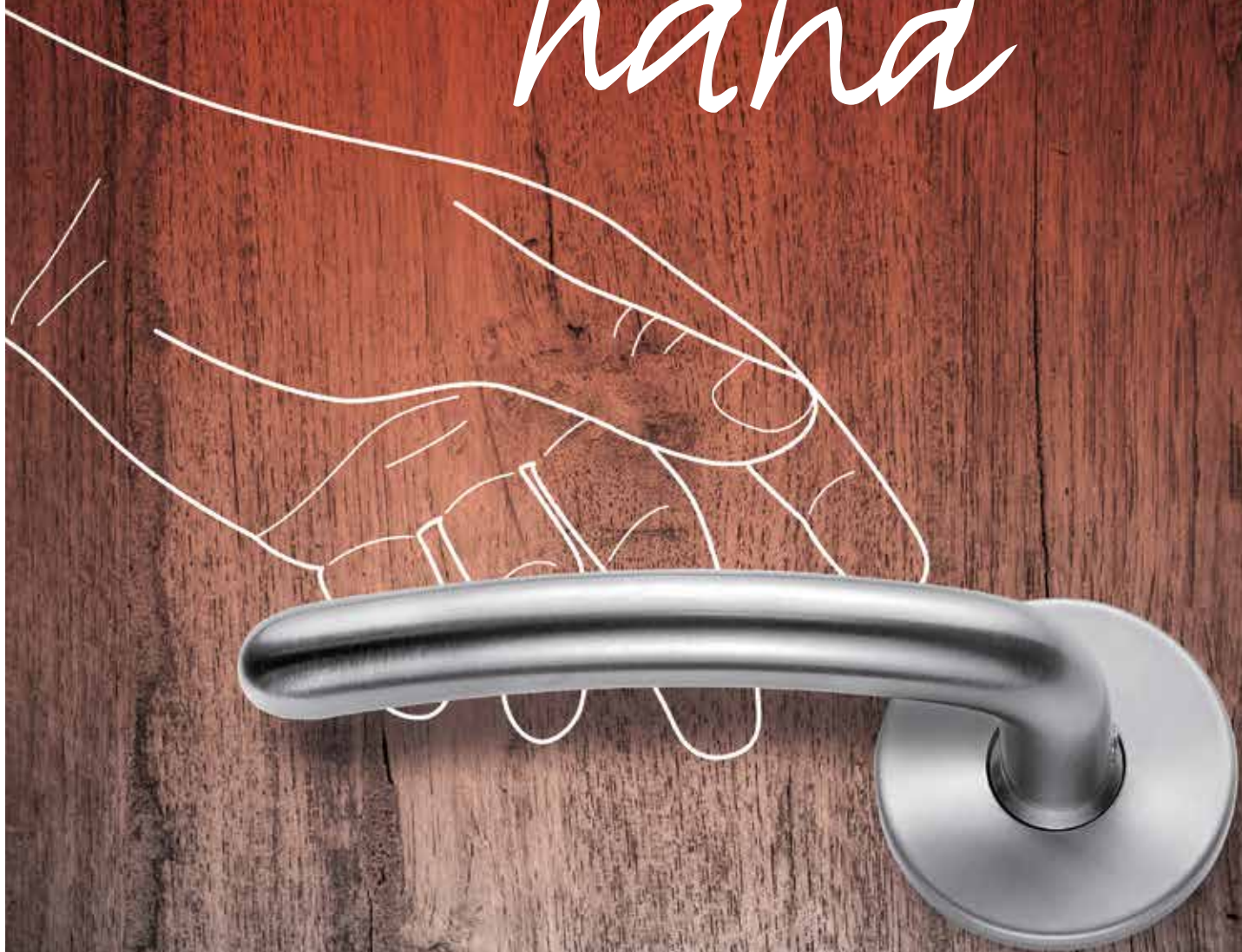
WC indicator



PZ Escutcheons



the scandinavian hand





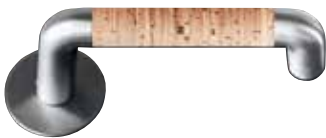
Randi ■ Profile

For decades the name Randi has been synonymous with high quality products in stainless steel and brass. The company was founded in 1878, producing cast door handles in the first workshop in Randers/Denmark. In 1948 a firm of architects asked for customized stainless steel door handles. This proved to be the beginning of a chain of events that led Randi A/S developing two unique, first-class series of door handles- the Randi Line and the Classic Line- designed in collaboration with leading Danish architects.

Since the beginning, Randi's design philosophy has been: simplicity and flexibility. To create the best possible function in the most suitable material using the simplest design expression. Since May 2014 Randi A/S belongs to the ECO Schulte group. Designed for architects by architects - Randi.



Randi-Line® Design



Nordic



1073



1073 RAW



1074



1074 Brass



1075



1077 Black



1077 Stainless steel



1077 Oak



Randi-Line®



1010



1011



1015

Line 18®



7020



7021



7024

Classic-Line®



p3010

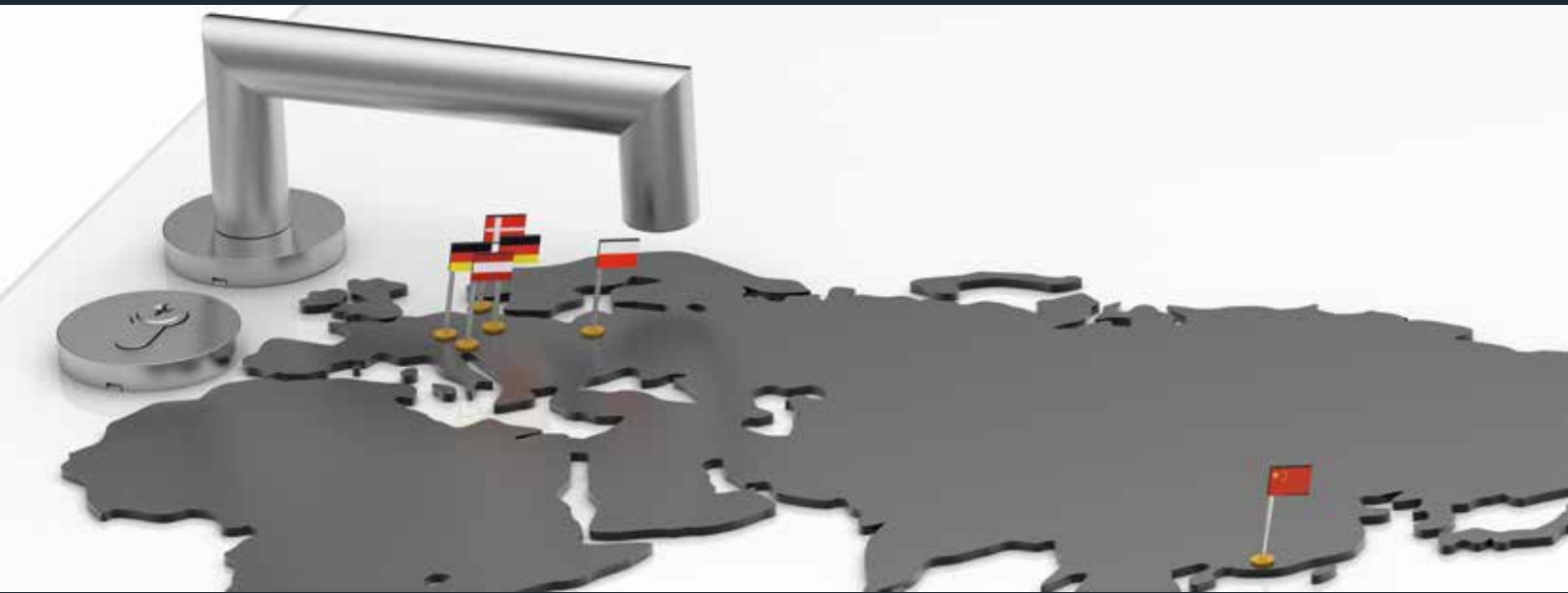


p3011



p3012

Further product lines and models can be found on www.randi.com



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■ SYSTEM TECHNOLOGY FOR THE DOOR

