



OneSystem. The new way of project locks

ASSA ABLOY

ASSA ABLOY's international portfolio for object building

The global leader in
door opening solutions

OneSystem: simplifies everything. Everything from a single source

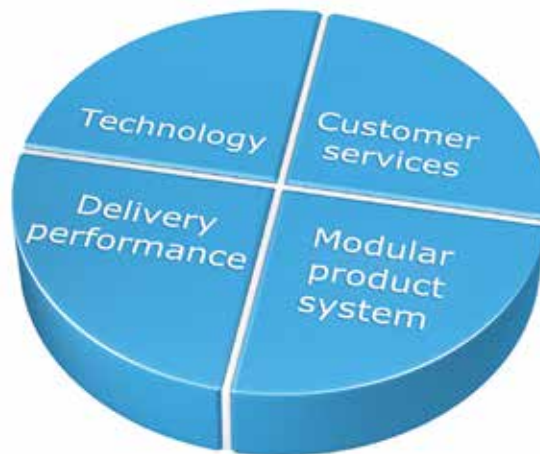
With OneSystem, ASSA ABLOY is introducing a new, highly innovative product range of mechanical locks for project business. As a full service provider for door systems, ASSA ABLOY thus now offers you a comprehensive, integrated, sustainable product portfolio usable on an international level.

All products in OneSystem are based on a modular solution which meets the requirements for a market-driven locking system in the commercial and public buildings sector.

An easy-to-use system configurator allows you to order all required products and components from this system precisely in line with your needs. This is complemented by matching customer service and excellent delivery performance.

OneSystem also takes into account the specific needs and requirements of the door manufacturer, the hardware wholesale and fabricators. See for yourself: there is currently no comparable international range of this type and size.

OneSystem is ASSA ABLOY's international portfolio for object building.



The unique advantages for you:

- You need just one single partner for everything: ASSA ABLOY.
- ASSA ABLOY offers customer-focused delivery performance.
- OneSystem provides you with extremely high planning reliability.
- ASSA ABLOY will assist you as you expand your business with the aim of achieving growth together.
- OneSystem is valid on an international level in terms of dimensions and approvals.
- We offer a comprehensive overview of requirements for door systems by interlinking an extensive range of functions.
- OneSystem is the sustainable, environmentally and economically relevant portfolio.

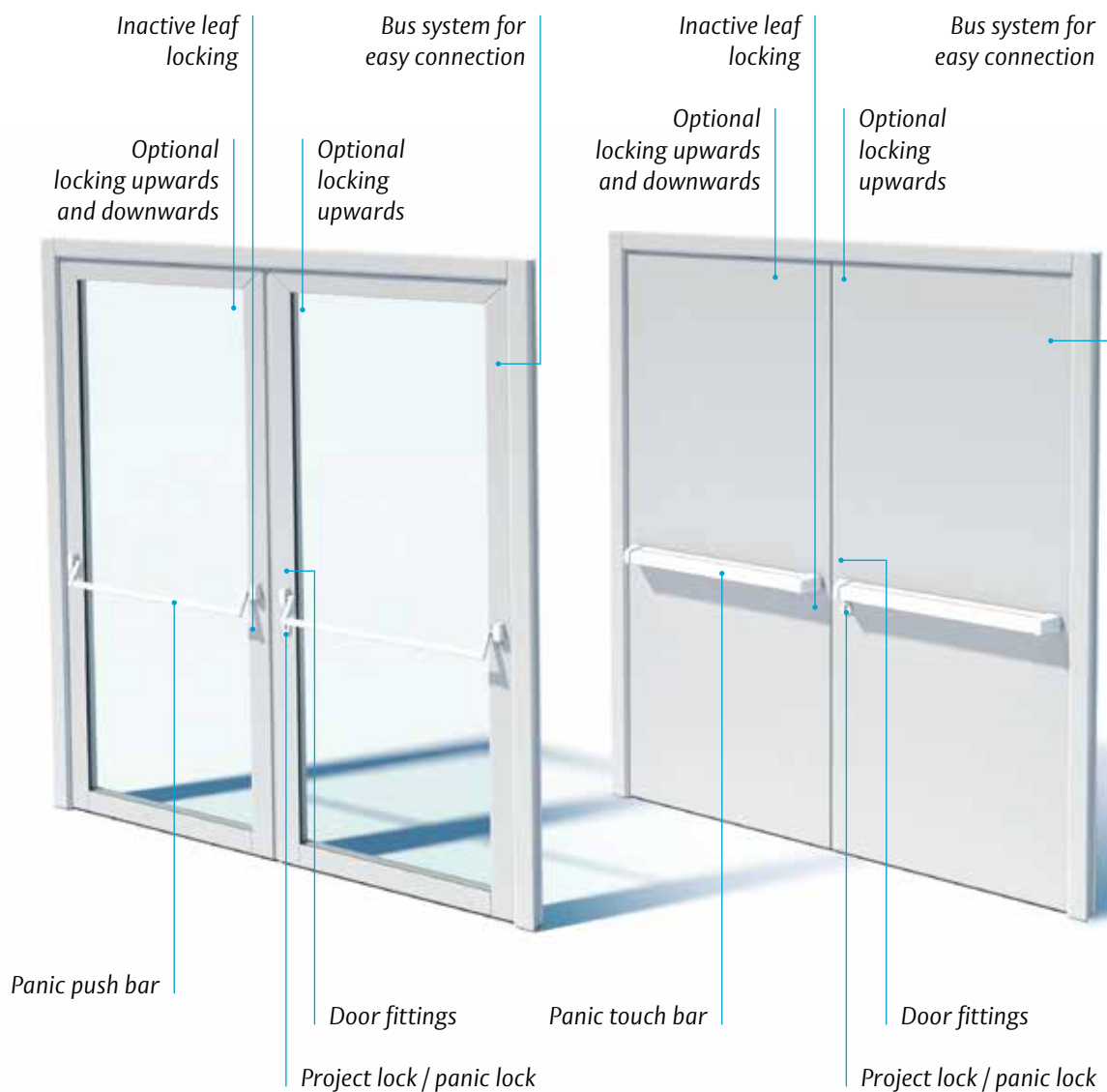


Everything you need: for project doors, fire doors, special doors, multi-functional doors

In the commercial and public building sector, there are a large number of different doors with different functions, depending on building use. Office buildings, hotels, hospitals and industrial buildings have entrance areas, patient rooms, conference rooms, security areas and other special facilities. OneSystem and all components in this unique project lock range meet requirements for doors as a system.

Requirements for doors in commercial and public buildings:

- Fire and smoke protection
- Escape routes and emergency exit functions
- Access control and integration
- Burglary prevention and protection against tampering
- Door automation and barrier-free design
- Monitoring and communication
- Material and design
- Cost efficiency and environmental responsibility

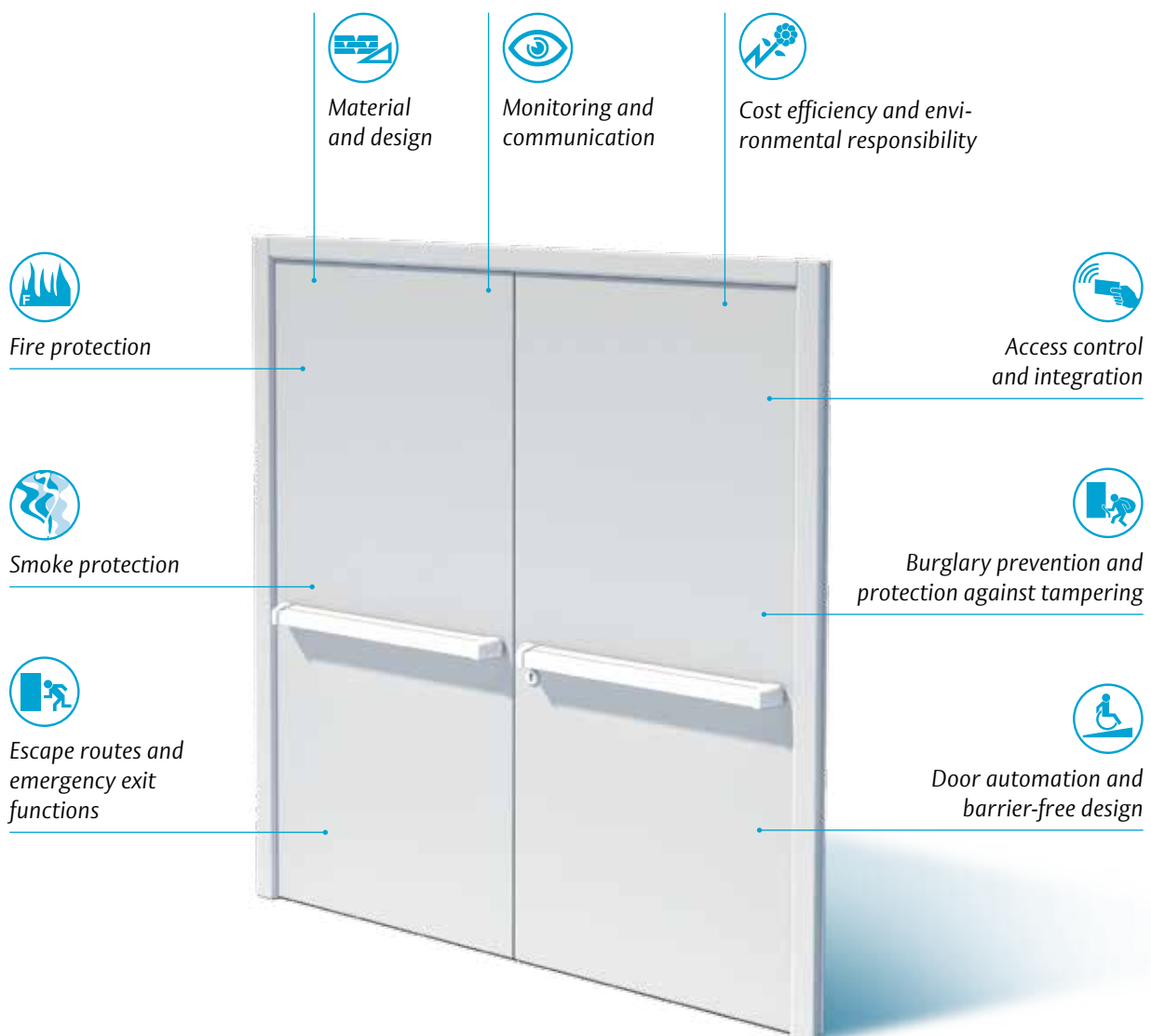


OneSystem project locks: different models, customer-oriented variants, precisely in line with your requirements

OneSystem provides you with a modular product system featuring a total of 14 project lock model ranges with countless variants. All project locks and components feature the necessary functions to be integrated into virtually any door and virtually any door system: into stand-

ard project doors, fire doors, special doors and multifunctional doors. The locks can be arbitrarily replaced within OneSystem in order to change functions. All project locks and components will have the legally required approvals and certificates for the EU and further afield.










Requirements for doors in commercial and public buildings:



Tested safety: with all approvals and for each door

ASSA ABLOY meets the requirements for door construction for public buildings as well as the requirements of the hardware wholesale trade and the fabricators.

And there's more: ASSA ABLOY is the security technology manufacturer which will be able to supply universally suitable products for all situations in the future. You won't need anything else. See for yourself in the table below!

Requirements Lock Model									
Standard project lock				•*				•	•
Standard project lock for fire doors	•	•	•	•*			•	•	•
Panic lock	•	•		•*			•	•	•
SLP Self-locking panic lock by latch	•	•	•				•	•	•
SLP Self-locking panic lock by dead bolt	•	•	•				•	•	•
SLP Self-locking panic lock motorized	•	•	•	•		•	•	•	•
SLP Self-locking panic lock clutch control	•	•	•	•			•	•	•
SLP 3-point locking by latch	•	•	•		•	•	•	•	•
SLP 3-point locking by dead bolt	•	•	•		•		•	•	•
SLP 3-point locking motorized	•	•	•	•	•	•	•	•	•
SLP 3-point locking clutch control	•	•	•	•	•		•	•	•
Passive leaf lock with panic function	•	•	•				•	•	•
Passive leaf lock motorized with panic function	•	•	•	•		•	•	•	•
Passive leaf lock manual	•	•						•	•

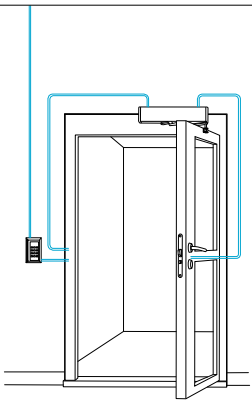
* In combination with electric strikes.

OneSystem technology: understanding the door as a system

The OneSystem concept is based on one very simple fact: we at ASSA ABLOY have learnt to understand the door as a system. What's more, we know how products and components need to be built into doors and interconnected with one another to ensure this system works perfectly.

But it gets even better for you: we have all of these products and components.

The OneSystem technology brings distinct features and advantages for cost-effective, environmentally responsible door manufacture also for use in doors in object building.



All components in and around a door system must fit and work together perfectly.

The new generation of ASSA ABLOY project locks has much to offer:

- All models are available in designs for single-leaf and double-leaf doors and also in steel, wooden and aluminium frame door versions.
- Project locks are tested for their durability.
- The unique dead bolt with its highly effective protection against tampering is used in all project locks.
- The new latch and bolt design provides larger guide and supporting surfaces, thus ensuring greater strength.
- The plastic inserts integrated in the latch noticeably reduce the noise when closing the door.
- Housings are enclosed at the top in all models and therefore effectively protected against most dirt.
- Screw fixing options for round and oval roses are standardised for all project locks.
- The handle follower rotation angle is 35° for all project locks, whether for active or inactive leaf locking.
- All locks can be used on the left- and right-hand side and all locks are arbitrarily interchangeable with each other.
- The panic side can be changed between inwards or outwards in project locks with a panic function.
- All panic locks are available with or without upper locking.
- Comprehensive monitoring functions are optional as are electro-mechanical lock functions.

Production at ASSA ABLOY is completely geared towards the requirements of the door industry, the hardware wholesale and the fabricator.

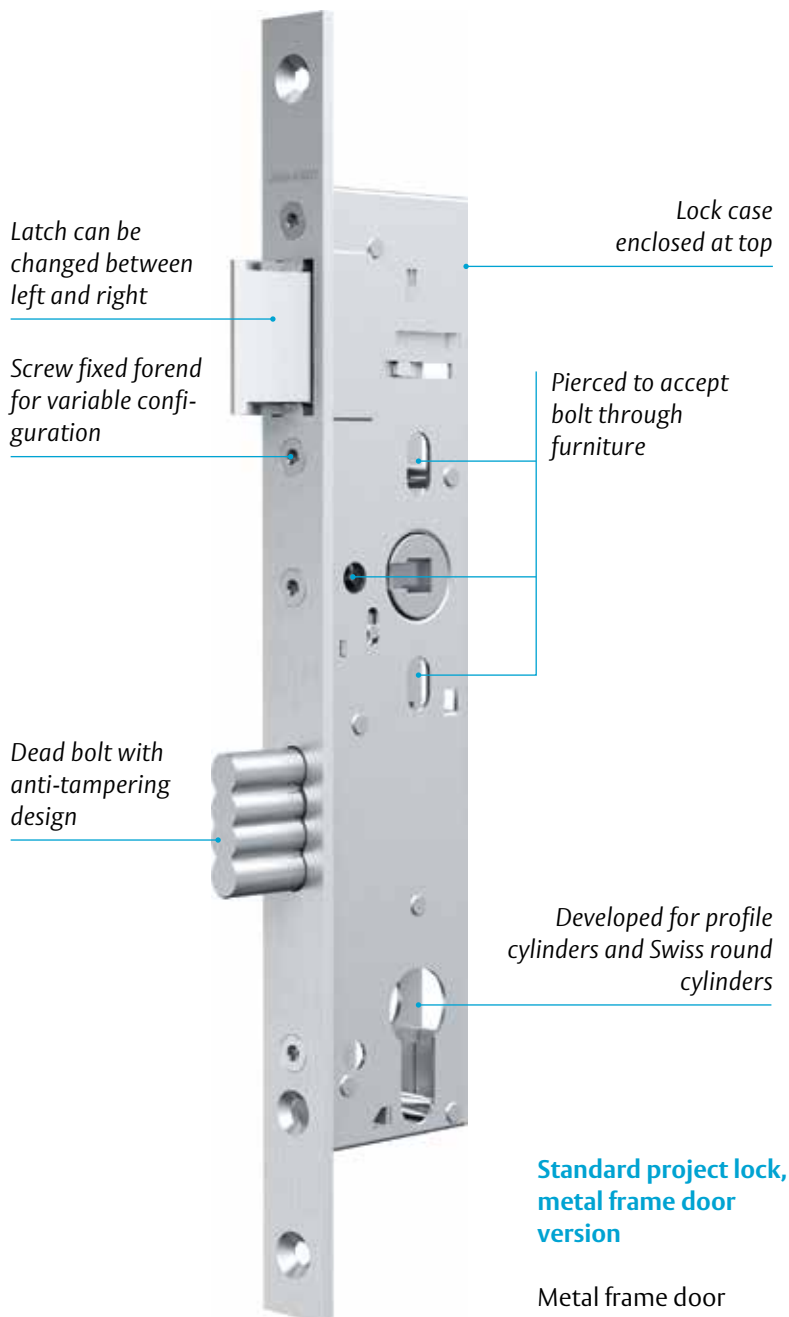




OneSystem standard project lock: always fits wherever you install it

On the following pages, we will show you examples of project locks, panic touch bars and panic push bars from the OneSystem range.

These are the first products of this type which will virtually always fit into any installation location, comply with legal and technical standard requirements and feature upward and downward compatibility. All products also include the necessary environmental product declarations (EPDs).



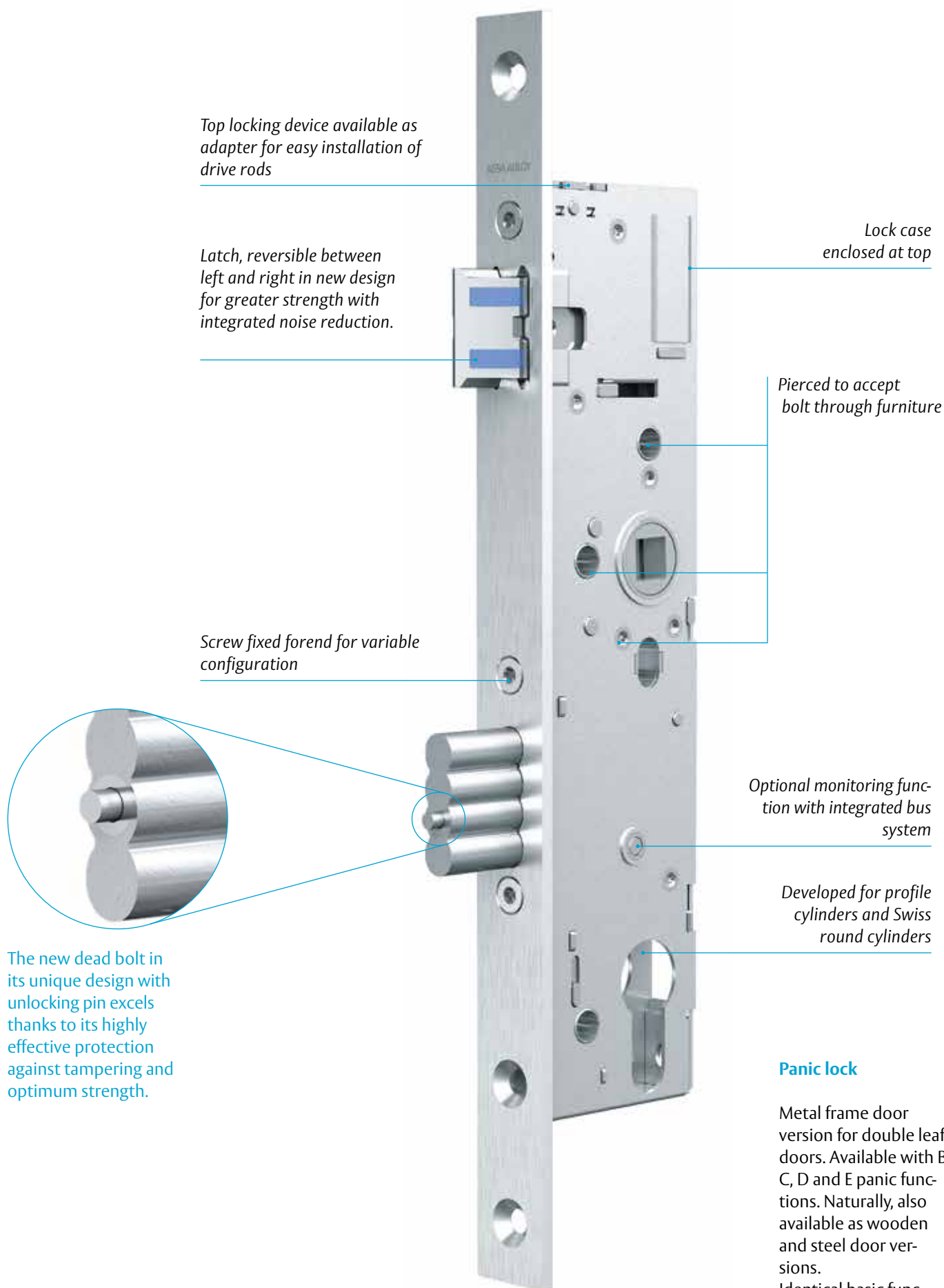
Metal frame door version for single leaf doors. Available in combination with the passive leaf lock manual for double leaf doors and also as bathroom lock, simple latch and bolt lock.



Standard project lock, wooden and steel doors version

Wooden and steel door versions with identical functions as metal frame door version

OneSystem project lock: innovative design, new functionality



Top locking device available as adapter for easy installation of drive rods

Latch, reversible between left and right in new design for greater strength with integrated noise reduction.

Lock case enclosed at top

Pierced to accept bolt through furniture

Screw fixed forend for variable configuration

Optional monitoring function with integrated bus system

Developed for profile cylinders and Swiss round cylinders

The new dead bolt in its unique design with unlocking pin excels thanks to its highly effective protection against tampering and optimum strength.

Panic lock

Metal frame door version for double leaf doors. Available with B, C, D and E panic functions. Naturally, also available as wooden and steel door versions. Identical basic functions as standard project locks.

OneSystem panic lock, self-locking: effective protection against tampering

Top locking device
available as adapter
for easy installation of
drive rods

Latch, reversible between
left and right in new
design for greater
strength, with unlocking
pin and integrated noise
reduction

Latch can be
changed between
left and right

Screw fixed forend for
variable configuration

Also as handle-
operated and
motorised design

Pierced to accept
bolt through
furniture

Locking system as
per EN 1125/179
(testing in progress)

Optional monitoring
function with integrated
bus system

Developed for profile
cylinders and Swiss
round cylinders

Enclosed
lock casing

Top locking device
available as adapter
for easy installation
of drive rods

Tilt latch suitable for
right-hand and left-
hand use

Double
locking

Dead bolt with anti-
tampering design and
unlocking pin

Screw fixed forend
for variable configu-
ration

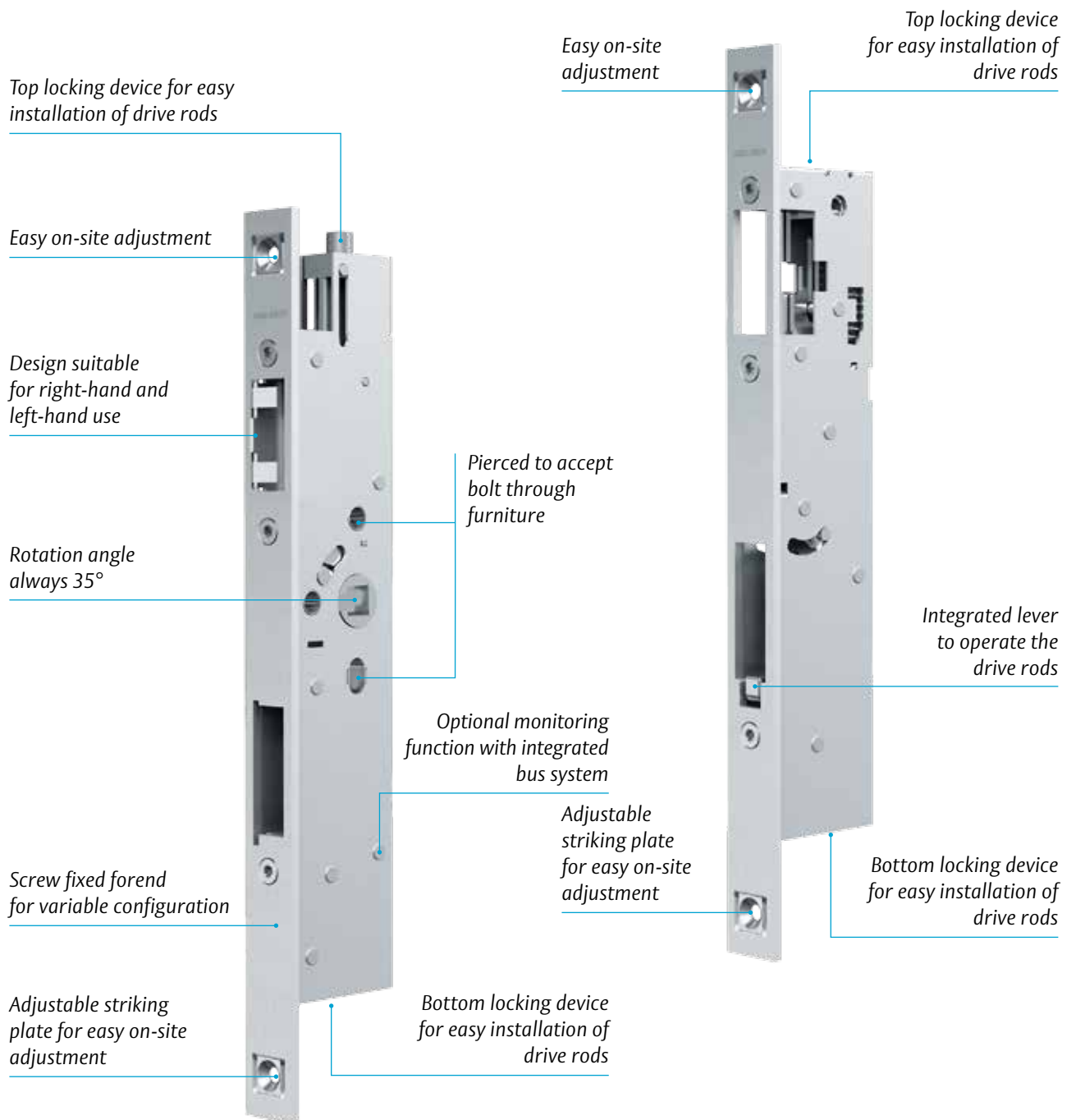
Self-locking panic lock by latch

Metal frame version with latch and effective protection against tampering. Also available for wooden and steel doors and in combination with espagnolette counter housing for double leaf doors. Handle-operated or available as motorised lock with integrated bus system in the future.

Self-locking panic lock by dead bolt

Metal frame door version with latch and bolt for dual point blocking. Panic function with tilt latch, thus particularly suitable for doors with preload. Also available for wooden and steel doors and in combination with espagnolette counter housing for double leaf doors. Can be combined with the optional motorised espagnolette locking device or MEDIATOR striking plates.

OneSystem inactive leaf locking devices: with and without panic function



Inactive leaf locking (panic)

Espagnolette counter housing with panic function. Compatible with all project lock models with panic function. Also optionally available with monitoring functions or as a motorised design.

Inactive leaf locking

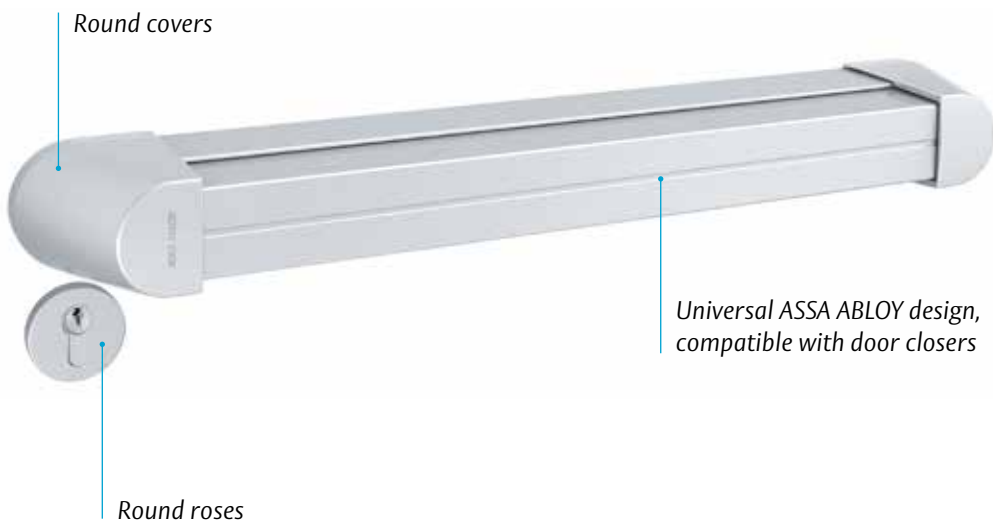
Rebate espagnolette for use in double leaf systems without panic function

OneSystem panic bars in two designs: slim-line, functional design



Panic touch bar, metal frame door version

For use on fire and smoke protection doors, and emergency exits. Reduced, slim-line design in the current design line, compatible with new ASSA ABLOY door closers and other components. Flat overlap, thus ideal for metal frame doors. The touch bar can be retrofitted over existing oval rose drill holes. Compatible with all OneSystem panic locks and the new effeff Multi-Point Locks 319, 519 and 819.



Panic touch bar, wooden and steel door version

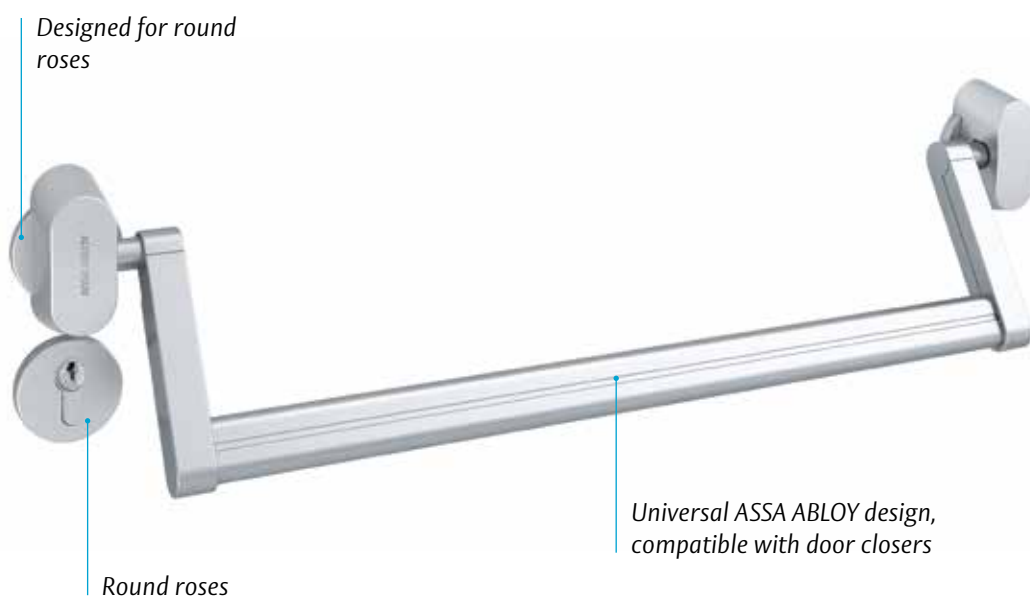
The panic touch bar is also available in a wooden and steel door version for retrofit into existing round roses drill holes with suitable covers.



Panic push bar, metal frame door version

For use on fire and smoke protection doors, and emergency exits. Reduced, slim-line design in the current design line, compatible with new ASSA ABLOY door closers and other components. Flat overlap, thus ideal for metal frame doors. The push bar can be retrofitted over existing oval rose drill holes.

Compatible with all OneSystem panic locks and the new effeff Multi-Point Locks 319, 519 and 819.



Panic push bar, wooden and steel door version

The panic push bar is also available in a wooden and steel door version for retrofit over existing round rose drill holes with suitable covers.

How you benefit from our customer services: easy handling in every respect

The main factors in ensuring competitiveness especially in the door industry are:

- Reliable logistics
- Flexible production
- Short delivery periods

ASSA ABLOY's customer service will help the manufacturer to ensure that these aspects are implemented to an optimum extent. Ranging from consultancy services and order placement through to delivery and comprehensive after-sales care, these services aim to provide you with planning reliability for a production process which is as easy, flexible and fast as possible.

The hardware wholesale and fabricators also benefit from our customer service. The clear program structure offers high potential for optimised stock keeping. In addition, comprehensive consultation and support from the planning to the mounting and commissioning, as well as

precisely tailored training offers are available. Customer service also includes ASSA ABLOY Partner Service in the following areas:

- Packaging
- Customer-specific variants
- Approvals
- Training

The centrepiece in our customer service: the system configurator

The system configurator provides you with an easily understood, clearly arranged info system, resulting in an uncomplicated order process. You start your enquiry according to the desired requirement, by means of the product name or article number and the system configurator processes this information. Each time that you enter further specific requirements, it provides you with suitable suggestions for a solution, including all relevant product information.

ASSA ABLOY makes it easy to obtain information and place orders in a clearly arranged way.



The basic principals of OneSystem: cost efficiency and environmental responsibility

ASSA ABLOY has been publishing an annual sustainability report since 2006. The basic principles for the entire value chain are enshrined in it. In brief, it is the combination between cost efficiency and environmental responsibility which determines our actions. When this involves our products, we call it ECO Design.

We help planners in drawing up sustainable building concepts by providing:

- EPDs (Environmental Product Declarations) and
- Information on LCC (life cycle costs) regarding durability and energy consumption

When it comes to green buildings, you will find our products in buildings certified as per:

- DGNB
- LEED or also
- BREEAM

As far as product certification is concerned, we refer to ISO und EN technical standards and individual national requirements. In doing so, we have been assisting approval application processes with our own laboratory since 2012.

ECO Design by
ASSA ABLOY makes
sense in terms of cost
efficiency and environ-
mental responsibility.



Our delivery promise for OneSystem: 100 per cent on-time delivery performance and quality

OneSystem is an international portfolio of products, solutions and services which is geared towards the requirements of the door industry, the hardware wholesale and the fabricators. This also includes customer-oriented delivery performance.

We promise you a delivery period and on-time delivery performance which will impress. Delivery is coordinated with your production process and your individual needs. The entire order process is based on precise information and data while a complete functions check ensures that you also receive perfect quality.

New trends in door technology

This delivery performance has been made possible thanks to an integrated modular product system with numerous variants and to universal, pioneering design.

OneSystem allows ASSA ABLOY to meet requirements which are imposed by current trends in door technology and which evolve from a changed approach to architecture, an increase in multifunctional use of buildings, the green building philosophy and, last but not least, technical standard specifications. ASSA ABLOY's OneSystem will enable you to adapt to such trends more quickly and successfully implement them in door systems and day-to-day operations.

ASSA ABLOY is able to master changed market conditions thanks to adjusted, optimised delivery performance.





The advantages for door manufacturers, hardware wholesale and fabricators: comprehensive and unique worldwide

Overview of arguments

- *OneSystem meets all requirements for a lock system for doors in commercial and public buildings.*
- *OneSystem provides all security technology products and components from a single source.*
- *OneSystem is a perfected portfolio in a modular product system.*
- *OneSystem is synonymous with solutions for single-leaf and double leaf metal frame, wooden and steel doors.*
- *OneSystem is synonymous with integrating simple to complex requirements in doors as a system.*
- *OneSystem is synonymous with impressive delivery dates and delivery performance.*
- *OneSystem provides in its system configurator an easily understood, clearly arranged info system which provides an uncomplicated order process.*
- *OneSystem provides the necessary environmental product declarations (EPDs) for all products.*
- *OneSystem is based on ISO and EN technical standards and individual national requirements.*
- *OneSystem is synonymous with planning reliability and a production process which is as easy, flexible and fast as possible for the door industry.*
- *OneSystem reduces the stockkeeping for the hardware wholesale and for fabricators by means of increased variability.*
- *OneSystem provides a new business model to the hardware wholesale and for fabricators thanks to the modular system and comprehensive offer for all door systems.*
- *OneSystem offers comprehensive partner services for packaging, customer-specific variants, approvals, training and certification.*
- *OneSystem is the sustainable, environmentally and economically relevant portfolio.*







New City Library in Stuttgart



BGV / Badische Versicherungen



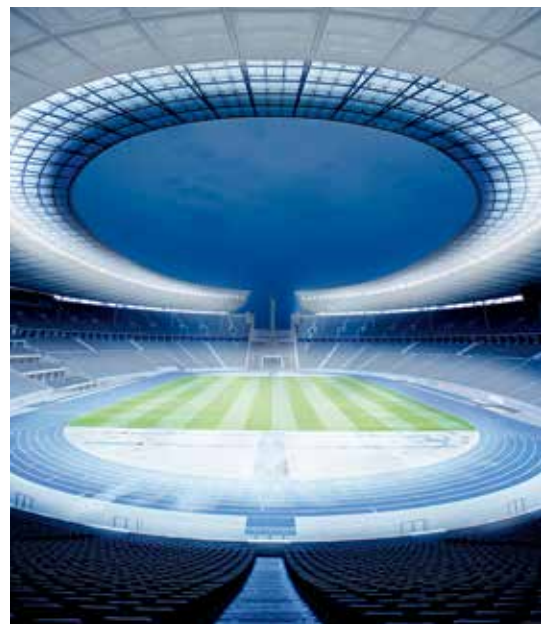
Technische Universität Berlin



Bosch Rexroth, Lohr am Main



Ratiopharm Arena, Neu-Ulm



Berlin Olympic Stadium

At home in commercial and public buildings: ASSA ABLOY security technology

ASSA ABLOY is the global market leader for comprehensive security solutions for doors. With a workforce of 41,000 employees in over fifty countries, the group generates an annual turnover of more than 4.2 billion euros. With its long-established IKON and effeff brands, ASSA ABLOY Sicherheitstechnik GmbH is one of Germany's top suppliers of mechanical and electro-mechanical security systems, locking systems and escape route technology for buildings of all sizes and types. ASSA ABLOY's security solutions

provide optimum security, protection and convenience for companies, public institutions and private homes. Our numerous reference projects in the public buildings and commercial sector include nursery schools, schools, universities, law courts, police stations, hotels, hospitals, stadiums and many other kinds of premises.

Our production facility in Berlin mainly manufactures mechanical and mechatronic locking cylinders and locking systems.



IKON
ASSA ABLOY

Our production facility in Albstadt produces security locks, electric strikes, access control systems, escape route technology and other security solutions.



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ASSA ABLOY

Security technology must function and must look good

With its long-established IKON and effeff brands, ASSA ABLOY Sicherheitstechnik GmbH offers products and solutions featuring high quality and superior design. The company constantly develops new, innovative security

technology for the residential sector, small firms, large companies and multinationals based on its decades of experience and extensive know-how.



Mechanical locking cylinders

Locking cylinders are the key component in a secure locking system and are the core expertise of ASSA ABLOY IKON's product brand. Products on offer include a wide range of models for doors and windows in houses, company buildings and on other premises.

IKON locking cylinders are certified to current security standards and provide maximum protection against break-ins.

The patented profiles are based on IKON's decades of expertise in precision mechanics and are effectively equipped to provide protection against customary break-in and tampering techniques.

- Individual locks
- Locking systems



Mechatronic locking cylinders

Mechanical and electronic components in locking cylinders and keys provide double the protection in mechatronic locking systems. CLIQ technology enables access authorisations to be customised for each individual key – no need for wiring, just plug and play.

Easy reprogramming enables systems to be adjusted to new organisational structures at an extremely low cost; lost keys are simply eliminated from the system without the need to replace cylinders. CLIQ technology is a highly efficient, highly intelligent locking system for companies, institutions and organisations suitable for all door types and almost all cylinder types.

- Locking systems



Access control

Whether it's a question of main or side entrances, strong rooms, development departments or laboratories, there are certain areas in buildings which need to be locked at all times. Access control systems regulate access to protected areas effectively, limiting entry to authorised groups of people without needlessly disrupting their day-to-day business. A straightforward solution for greater security, effeff access control systems protect and control buildings, individual rooms or other security-relevant areas. We offer an ex-

tensive range of different technologies, devices and systems, tailored to respective, specific security requirements. effeff access control systems satisfy our customers' individual requirements in residential buildings, public buildings, the health sector, leisure facilities, administrative buildings, industrial facilities and production plants.

-
- Access control fittings
- Access control systems



Door closers

Door closers ensure fire doors function as they should along escape routes. The closing function also constitutes an important security feature for outside doors. ASSA ABLOY offers a highly effective system solution for automatic door closing in its product range. The modular system structure provides a whole range of model variations in identical housing, thus ensuring a uniform design. Lock bodies, engineering components and accessories can be combined with one another as required.

ASSA ABLOY door closers offer easy access thanks to perfectly adjusted closing and opening forces. They can be mounted on all sides of doors and are particularly easy to adjust.

- Top-mounted door closers
- Concealed door closers
- Security door closers

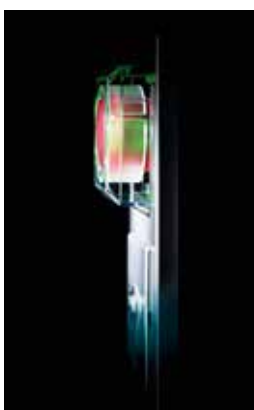


Electric strikes

Electric door strikes allow you to unlock a door at the push of a button – without needing to go to the actual door yourself. effeff electric strikes offer high standards of security and convenience with a suitable electric strike for every installation location. This we can guarantee worldwide as effeff takes both national and international rules and regulations into account. effeff impresses with its certified and security electric strikes thanks to its sophisticated solutions for smoke protection doors, fire doors and other doors along

escape routes. Our wide range for high-security areas provides solutions for glass doors, sliding doors and clean room doors as well as for doors in explosion-prone areas or interlock systems.

- Standard electric strikes
- Smoke and fire protection electric strikes
- Escape door strikes
- Special electric strikes
- Accessories



Escape route technology

effeff's escape route systems fully comply with requirements for uncompromising personal safety and maximum protection for property. Trust in effeff's know-how and reliability in emergency situations. Our escape route systems guarantee safe operation of escape route doors, regardless of whether the door is automatically locked or only used under authorisation. Safer use of escape routes is assured at all times in the event of an emergency.

effeff electric escape door control systems guarantee protection and safety in places such as department stores, schools, kindergartens, office buildings, airports and exhibition halls.

We also supply ideal solutions for specific uses such as restricted areas in hospitals.

- Escape door locking system
- Escape door monitoring



Arrester systems

effeff arrester systems secure fire retardant doors which need to be open during the course of normal day-to-day operations. Under normal circumstances, the arresters hold doors open while fire detectors monitor critical areas. Should smoke be detected, the retainer mechanism immediately releases the door. Fire protection doors then close, thus containing the fire and preventing fire and smoke fumes from spreading to adjacent rooms and buildings. If people are in an area where there is a fire, they can still escape

through the doors; after they leave, door closers will reliably ensure doors are secured, ensuring they are impervious to smoke.

- Fire detectors
- Smoke protection switch
- Holding magnets and counterplates
- Interrupter buttons

ASSA ABLOY is the
global leader in door
opening solutions,
dedicated to satisfying
end-user needs for
security, safety and
convenience.

ASSA ABLOY

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