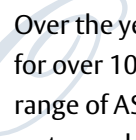


Hospital specification guide

ASSA ABLOY, the global leader
in door opening solutions

ASSA[®]
ASSA ABLOY



Over the years ASSA has helped secure and provide solutions for over 100 hospitals worldwide. These hospitals use the full range of ASSA products, from access control systems, Master Key systems, door control and door hardware to stand-alone Master Key systems. Some have been in use for 20 years or more while others are newly installed. ASSA combines past experience with the technology for tomorrow.

The types of doors used in hospitals vary broadly from public areas, such as the entrance and lobby area where a lot of people circulate openly, to high-security areas where research and clinical tests are being conducted. ASSA's top-of-the-line solutions cater to all needs in this type of environment and our specification team can assist in achieving the optimal solution for you.

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ASSA

ASSA is a Swedish Group company within ASSA ABLOY. ASSA develops locks and integrated security systems for doors. ASSA is Sweden's leading supplier of locks and security systems for both professional end users and consumers. Quality, high security and design characterize ASSA products. ASSA was founded in 1881. Today ASSA is a strong brand with established positions in Scandinavia, the USA, the UK, Holland, Germany, the Baltic countries and Asia.

With our comprehensive range of products and services, we can set up complete security systems with appealing design that suit the specific needs of end users.

Our customer contacts often take place through our network of dealers. They and our sales representatives help customers with security analysis, project planning, installation and service.

ASSA is certified to ISO 9001 & 14001

ASSA ABLOY

ASSA ABLOY is the largest global supplier of intelligent lock and security solutions. Its products account for more than one in ten of all lock and security installations worldwide.

As the global leader in door opening solutions, ASSA ABLOY offers a more complete range of door opening solutions than any other company on the market. In the rapidly growing electromechanical security sector, for example, the Group has a leading position in fields such as access control, identification technology, automatic doors and hotel security.

ASSA ABLOY is represented by its Group companies in both mature and emerging markets worldwide, with leading positions in much of Europe, North America, Asia, Australia and New Zealand.

The Group has operations in more than 60 countries, and through authorized distribution we cover the world. Since ASSA ABLOY was founded in 1994 it has grown from a regional company to an international Group with more than 43,000 employees and sales of about annual sales of EUR 5.4 billion.

Commercial and institutional clients account for 75 percent of ASSA ABLOY's sales. The remaining 25 percent comes from residential clients. Two-thirds of sales come from the aftermarket and one-third comes from new construction, which gives good stability in the order intake.



Tamar headquarter, Hong Kong

Hong Kong's government offices and the Legislative Council. The project area is 4.2 acres and number of employees 3,000. Although the building was not commissioned until 2011 the project won the Construction Industry Competition "The Sectoral Award" in 2009.

ASSA delivered a master key system

ASSA solutions around the world

An effective security system consists of parts that work well together and guarantee a building's safety for many years to come. ASSA solutions are found in businesses operating across many industries around the world.

Our many years of experience are your guarantee for peace of mind. Whatever your operations, we have the solution. See examples of installations where ASSA have helped customers create secure and long-term solutions.



PGE Arena Gdansk, Polen

The new stadium PGE Arena Gdansk is the home arena to Lechia Gdansk – but was built for the UEFA Euro 2012. There's room for 44,000 spectators.

ASSA delivered a master key system and mechanical locks



Örebro Slott, Sweden

Many chapters of Sweden's history have been written within Örebro Castle's metre-thick walls. Over its 700 years, the mighty fortress at the heart of Örebro has provided the stage for sieges, parliaments and meetings of the great and small.

ASSA delivered an ASSA dp CLIQ electronic master key system



Columbus International Airport (USA)

Columbus International Airport is primarily a passenger airport, serving over 7 million travelers per year but also handles freight and US mail. The airport opened July 8, 1929 on a site selected by Charles Lindbergh. Today, little short of a century later and after numerous expansion and renovation projects, Columbus International Airport stands strong with service to most major hubs in the US as well as international destinations.

ASSA delivered a Master key system with CLIQ™

Galaxy™ Hotel and Casino, Macau

Luxurious and beautiful, The Galaxy Hotel's 2,200 rooms and suites represent an evolution of resort accommodations amongst all hotels in Macau. Macau is now the world's largest gambling city, surpassing Las Vegas.

ASSA delivered a master key system



Harpa Concert and Conference Centre, Iceland

Harpa is a hypermodern concert and opera hall combined with a conference center in Iceland's capital Reykjavik, housing Iceland's Philharmonic Orchestra and the Icelandic opera.

ASSA delivered a master key system, mechanical and electrical locks, panic devices and handles



LKAB, Sweden

A high-tech international minerals group and the world's largest underground iron ore mine. World-leading producer of processed iron ore products for steelmaking. LKAB accounts for 10 per cent of Sweden's industrial investments. Number of employees: 4,070.

ASSA delivered an ARX access control system



Locks and security solutions for healthcare facilities

Door opening solutions for the healthcare sector include locks, access control and door security to meet any healthcare security challenge – from dealing with large volumes of people passing through the main entrance to automatic doors in surgical units. Applied to hospitals, healthcare centers or pharmacies, door solutions from ASSA provide convenience, safety and security.

Installed products help ensure a clean and safe environment with anti-bacterial surfacing on door hardware, hermetic door sealing for sterile environments and panic exit devices for emergency exits.

Main challenges for hospitals

The main entrance door of a hospital or clinic should be able to absorb high levels of traffic, regulate temperature, enable handicap access and facilitate exit in case of an emergency. Door automation products such as automatic revolving doors, swing or sliding doors or air curtains are the best answer for meeting these requirements.

Patients' rooms experience a lot of traffic from visitors, doctors and nurses. Door hardware, such as door handles with anti-microbial surface treatments can help limit the spread of microbes. Locks and access control systems with panic exit devices can be added for security and convenience.

Pharmacies. With regulated narcotics and dangerous substances on the premises, pharmacies require a combination of high-level theft resistance and restrictive access control. Access control systems, using smart cards or other credentials, not only ensure that the right people have access, but can log the number of events, which can be tracked in case of a problem.

Surgical units. In a continuous fight against microbes, it is essential that surgeons' hands do not come in contact with handles or doors before operation. Using automatic doors such as sliding doors with sensors or elbow switches are just some of the ways to meet these challenges. Doors that provide hermetically sealed environments are another example.

Emergency exits and panic exit devices must comply with regulations and ensure safe exit during extreme situations while also helping to secure access to the building and retain secure entry in non-emergency situations. Intelligent panic exits and devices, for example, protect people and property during emergencies and at all other times.

Thanks to ASSA and ASSA ABLOY you can rest assured that your hospital's locking solution will match the high standards set by your facilities.



Below are a few of the more than 100 hospitals worldwide that use the full range of ASSA products. Some have been in use for over 20 years while others are newly constructed. ASSA combines past experience with the technology for tomorrow.



Photo: Marie Ulbert

Sahlgrenska Hospital, Sweden

Sahlgrenska University Hospital provides emergency, basic and highly specialized care for West Sweden, with 1.7 million inhabitants. SU is also the country's centre for certain specialized care, especially in paediatrics. SU is also well known for its successful transplant activity, treatment of cardio-vascular diseases, immunology as well as research into vaccines.

SU is one of six teaching hospitals providing medical education in Sweden.

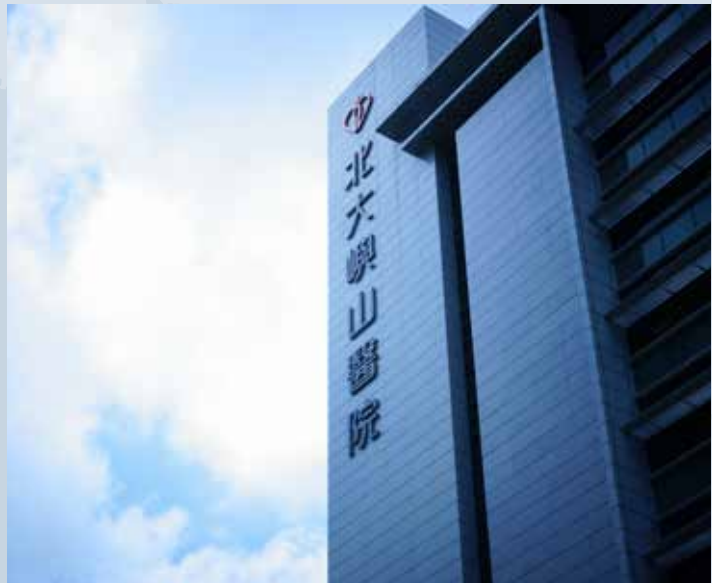


Mater Dei Hospital, Malta

Mater Dei Hospital is the main hospital of Malta located near the capital Valetta. The 250,000 m² hospital was constructed in 2007 and is a state-of-the-art acute general hospital offering a full range of hospital services and provides an extensive range of specialists.

North Lantau Hospital, Hong Kong

To server the healthcare needs of the growing community in the residential community in the strategic growth area of Tung Chung and also to serve travellers from the near by Chek Lap Kok International airport this hospital was comissioned in 2013. The first phase housed 160 inpatient beds, 20 day beds, a state of the art radiology suite, ultrasonic scanner, blood bank and other diagnostic and treatment facilities.



Basingstoke and North Hampshire Hospital, UK

Basingstoke and North Hampshire Hospital has around 450 beds and provides a full range of planned and emergency services. These include specialist services for rare or complex illnesses for patients across the UK. In 1999 it became the first hospital in Europe to perform surgery using equipment operated by voice commands.



The National University Hospital of Iceland

Situated in picturesque Reykjavik the hospital, locally known as Landspítali, is located in 17 buildings and serves Iceland and the North Atlantic area (Greenland and Faroe Islands) and employ 3,600-plus people. Aside from service to patients the hospital also teaches and trains clinical staff as well as conducting scientific research. All of Iceland's medical and nursing students complete their clinical rotations at Landspítali. On any given day 5,000 laboratory tests are made, 10 children are born, 60 surgical procedures are performed and 270 emergency unit visits are made.



Reference door types for hospital environments

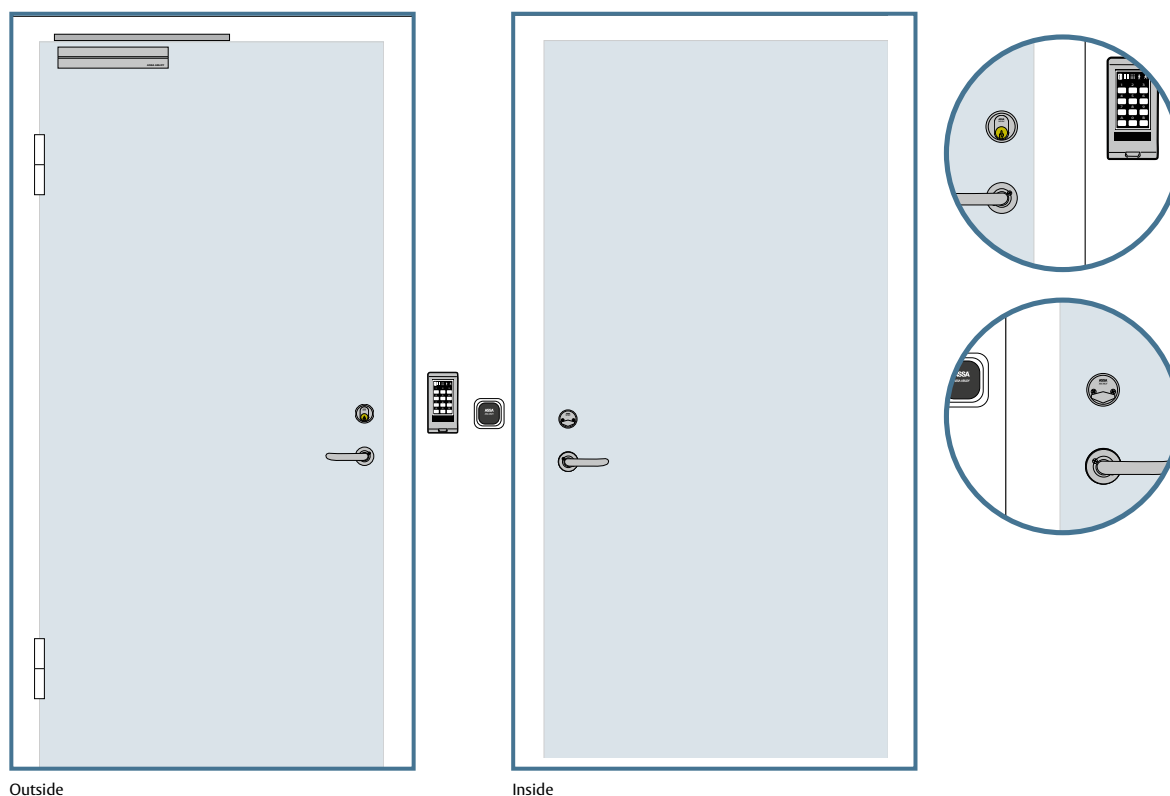
The main purpose of this guide is to present recommended security and hardware solutions for 14 typical door environments you will find in a hospital environment where there are special requirements for accessibility but also security and safety.

The first consideration is the security of the building and its different areas. The reference doors on the following pages are presented from a perspective of the highest security to lower, i.e. perimeter security. Following the door specifications you will find technical data sheets for all the products used.

For more information about ASSA healthcare solutions visit www.assa.se/se/site/assa/Solutions/



Door type 1 – Access controlled door



Product	Model	No
Day lock fittings		
Lock case	ASSA 222-50	1pcs
Electric strike	ASSA 900	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp4401	1pcs
Cylinder accessory	ASSA 8256RF	1pcs
More		
Door Closer	ASSA ABLOY DC700	1pcs
ARM System	ASSA ABLOY G195	1pcs
Card reader	ASSA PCR45	1pcs

Functional description

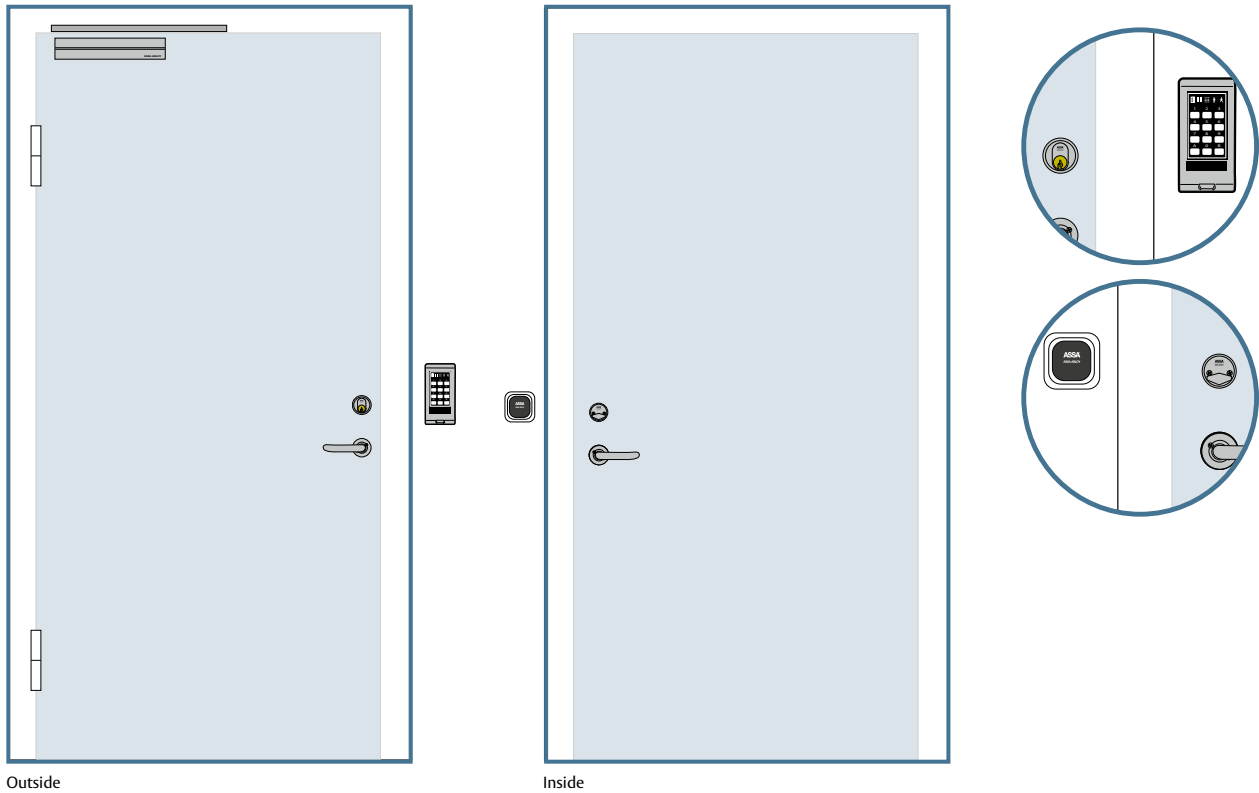
Door Closer ensures that the doors is always closed and automatically locked after use. The latch bolt ensure the fire cell limit.

Door lock/unlock using card reader from outside, and the exit button from inside or the thumbturn.

Cylinder protection against physical attack and picking.

Door type 2 – Access-controlled door

(Split installation)



Product	Model	No
Day lock fittings		
Lock case	ASSA 222-50	1pcs
Electric strike	ASSA 900	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp4401	1pcs
Cylinder accessory	ASSA 8256RF	1pcs
More		
Door closer	ASSA ABLOY DC700	1pcs
Arm system	ASSA ABLOY G195	1pcs
Card reader	ASSA 7585MF	1pcs
Door control	ASSA DAC564	1pcs
Exit button	ASSA TKN50	1pcs

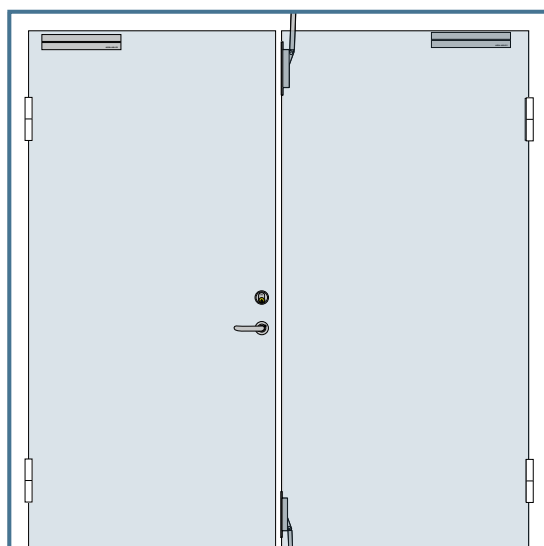
Functional description

Door closer ensures that the doors is always closed and automatically locked after use. The latch bolt safeguards the fire cell.

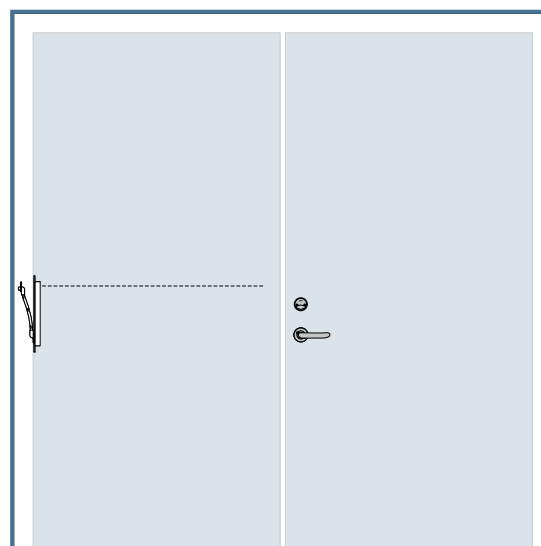
Door lock/unlock using card reader from outside, and the exit button or the thumbturn from inside.

Door type 3 – Access-controlled dual door

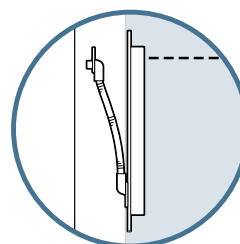
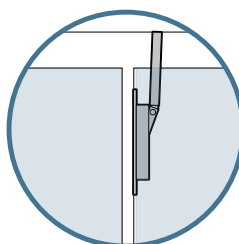
(Split installation)



Outside



Inside

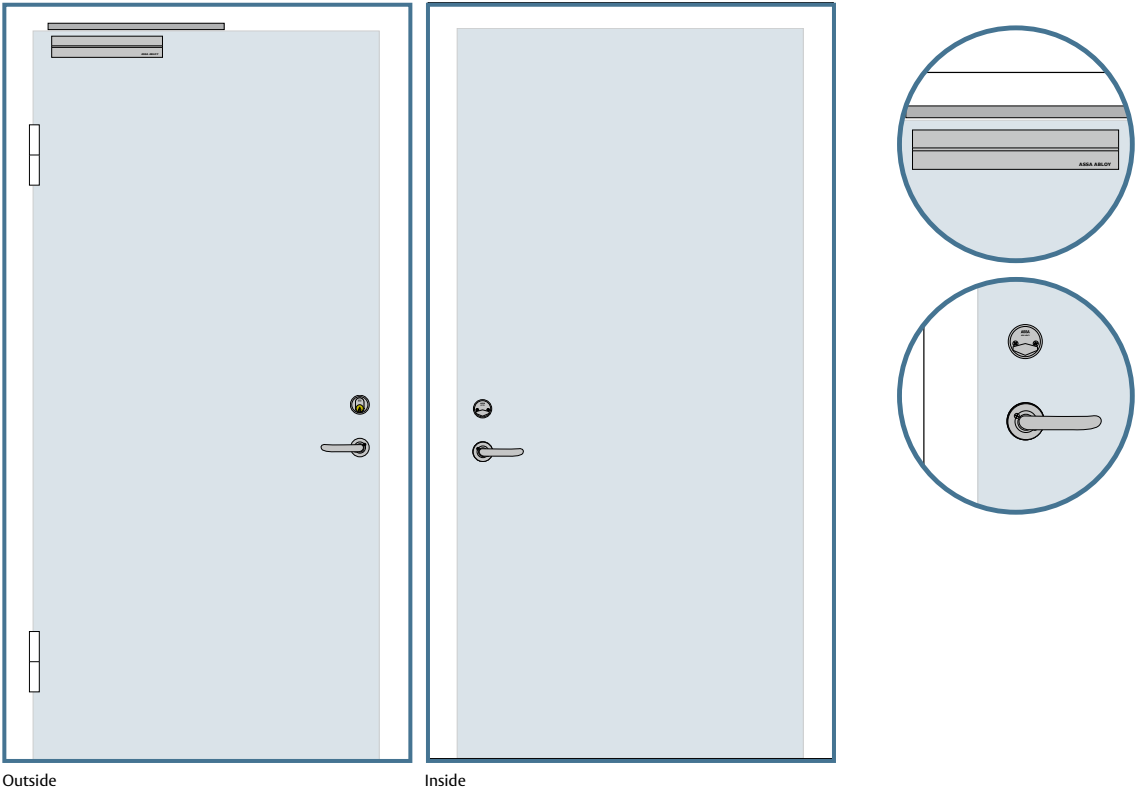


Product	Model	No
Day lock fittings		
Lock case	ASSA 222-50	1pcs
Electric strike	ASSA 900	1pcs
Cylinder	ASSA dp 4401	1pcs
Cylinder accessory	ASSA 8265RF	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cabel loop	ABLOY EA281	1pcs
More		
Door closer	ASSA ABLOY DC700	2pcs
Sliding arm	ASSA G461	1pcs
Flush bolt automatic	ASSA 2396	2pcs
Card reader	ASSA PCR45	1pcs
Exit button	ASSA TKN50	1pcs

Functional description

The door is unlocked by a card reader from the outside and by an exit button from the inside. The door closers shut the door after passage and the coordinator device makes sure that the doors are closed in the right order.

Door type 4 – Lockable door, fire cell limit 60 min



Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp 4401	1pcs
Cylinder accessory	ASSA 8256RF	1pcs
More		
Door closer	ASSA ABLOY DC500	
Arm system	ASSA ABLOY G195	

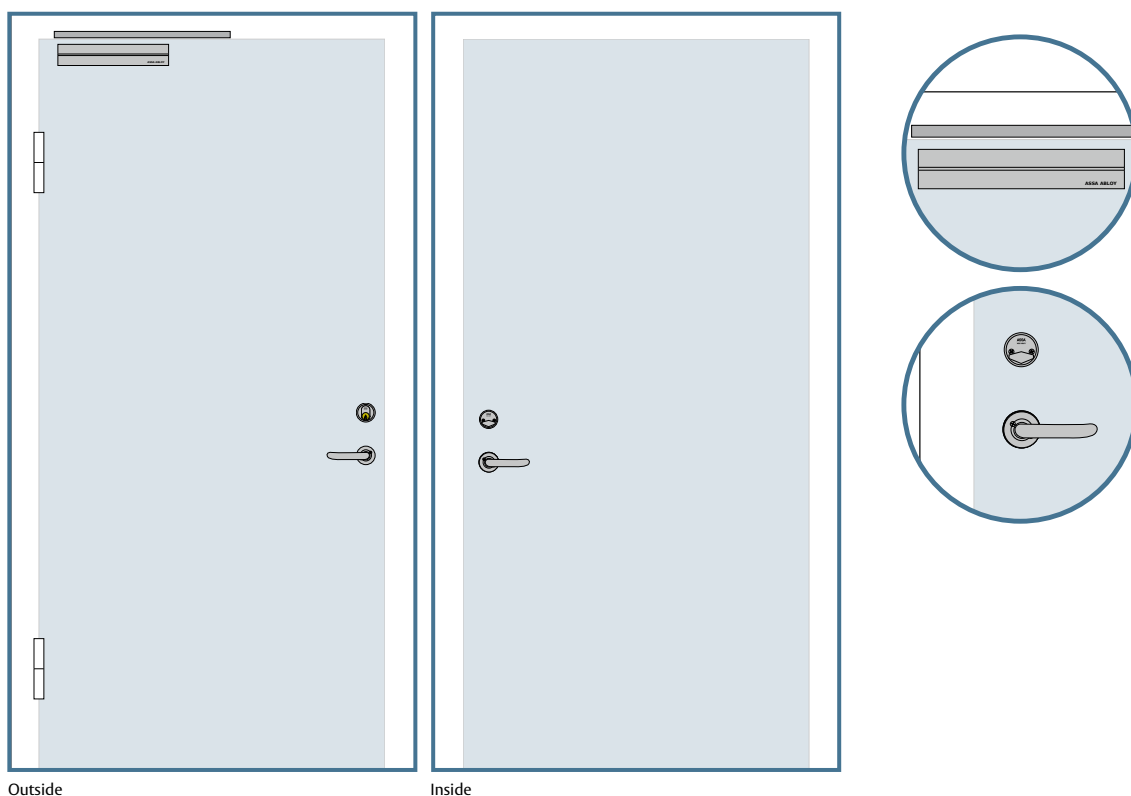
Functional description

Door closer makes sure that the door is always closed after opening (but unlocked). The latch bolt safeguards the fire cell.

Door close/open using the handle. Door lock/unlock using key from outside, and thumbturn from inside.

Cylinder protection against physical attack and picking.

Door type 5 – Automatically locked door, fire cell limit 60 min



Product	Model	No
Day lock fittings		
Lock case	ASSA 222-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp4401	1pcs
Cylinder accessory	ASSA 8256RF	1pcs
More		
Door closer	ASSA ABLOY DC700	1pcs
Arm system	ASSA ABLOY G195	1pcs

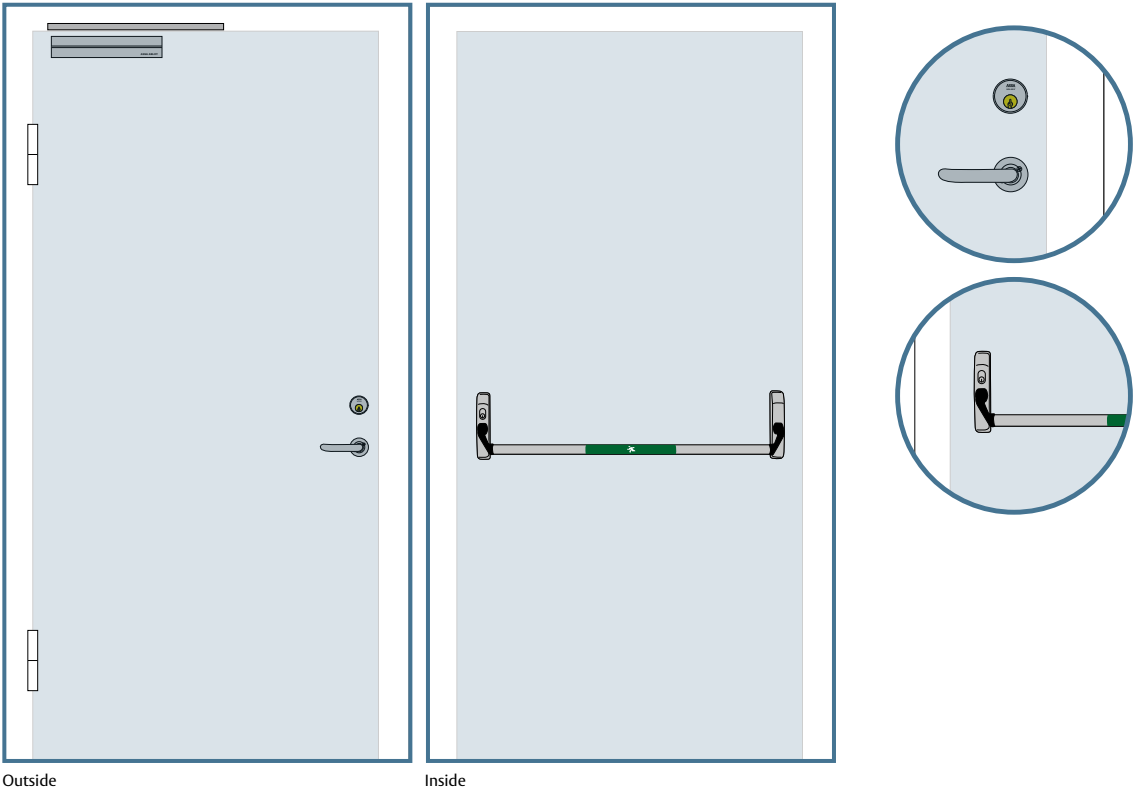
Functional description

Door closer makes sure that the door is always closed after opening and automatically locked. The latch bolt safeguards the fire cell.

Door close/open using the handle. Door lock/unlock using key from outside, and thumbturn from inside.

Cylinder protection against physical attack and picking.

Door type 6 – Panic exit door, fire cell 60 min



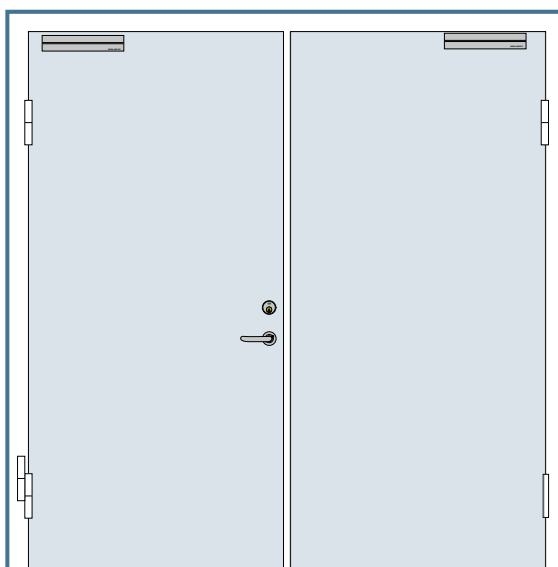
Product	Model	No
Day lock fittings		
Lock case	ASSA 767-50	1pcs
Strike plate	ASSA 1487-	1pcs
Cylinder	ASSA 4425	1pcs
Panic exit device	ASSA 1130	1pcs
Cylinder accessory	ASSA 3325RF	1pcs
Handle	ASSA 8640 Hospital	1pcs
Door closers	ASSA ABLOY DC500	1pcs
Sliding arm	ASSA ABLOY G195	1pcs

Functional description

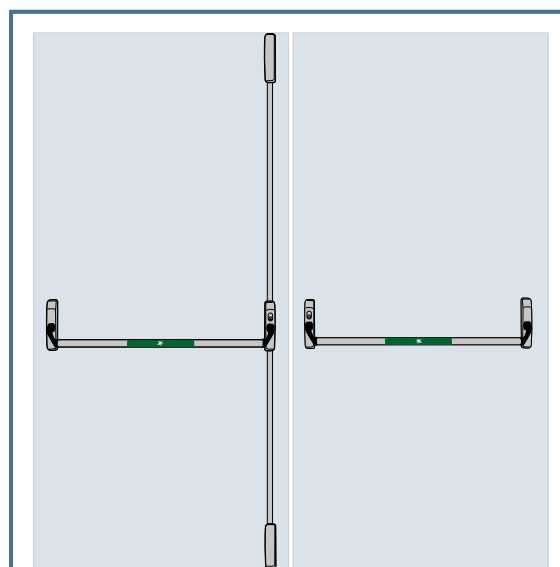
The door is unlocked with a key from the outside and from the inside. The door closers shut the door after passage. The door can always be opened with panic exit device from the inside.

After the panic exit device is used it is possible to re-enter from the outside with only the handle. Door must be relocked by key after using the panic bar. If re-entry is not an option use lock case ASSA 762-50 instead.

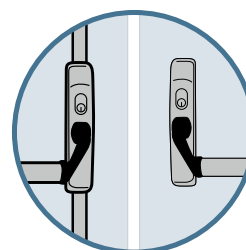
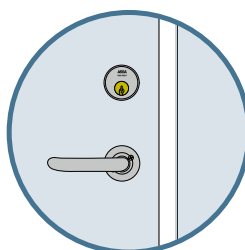
Door type 7 – Panic exit door (dual), fire cell 60 min



Outside



Inside



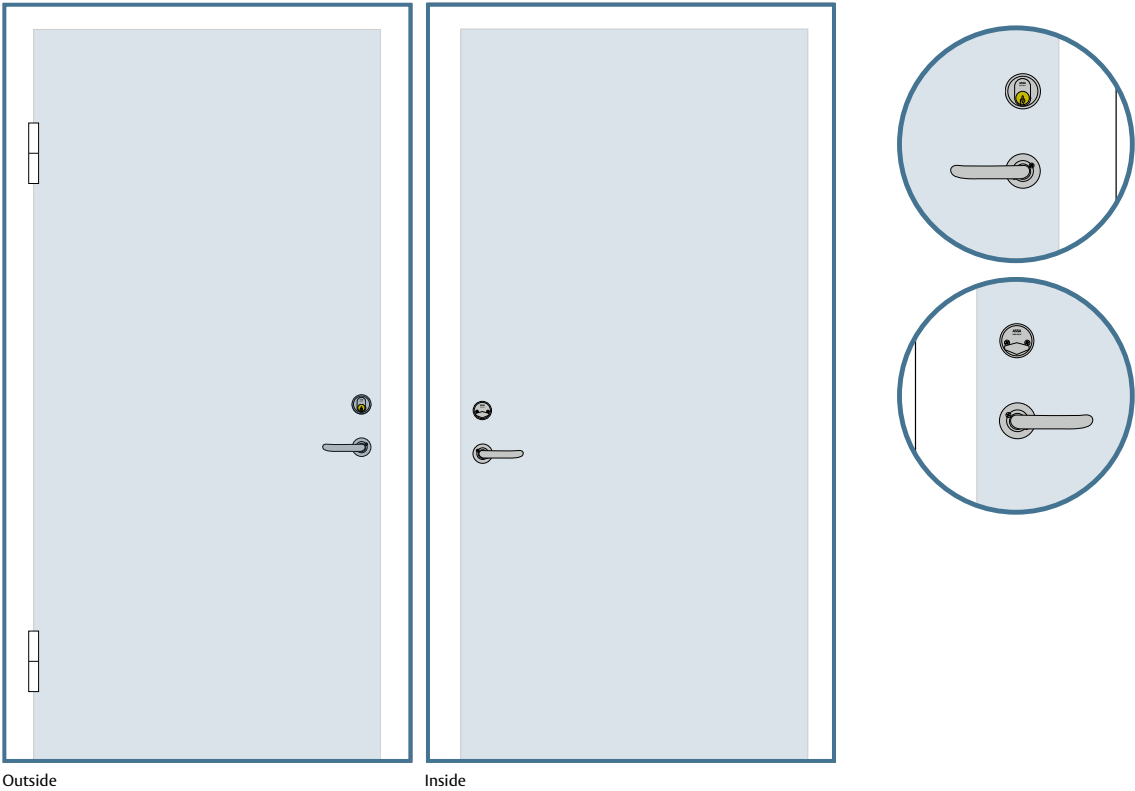
Product	Model	No
Day lock fittings		
Lock case	ASSA 767-50	1pcs
Panic strike	ASSA 2530	1pcs
Cylinder	ASSA 4425	1pcs
Cylinder accessories	ASSA 3325RF	1pcs
Panic exit device	ASSA 1130	1pcs
Panic exit device	ASSA 1130:1	1pcs
Door guide	ASSA 2010	1pcs
Handle	ASSA 8640 Hospital	1pcs
More		
Door closers	ASSA ABLOY DC700	2pcs
Sliding arm	ASSA ABLOY G462	1pcs

Functional description

The door is unlocked with a key from the outside and from the inside. The door closers shut the door after passage. The door can always be opened with panic exit device from the inside.

After the panic exit device is used it is possible to re-enter from the outside with only the handle. Door must be relocked by key after using the panic bar. If re-entry is not an option use lock case ASSA 762-50 instead.

Door type 8 – Lockable door with cylinder dp CLIQ



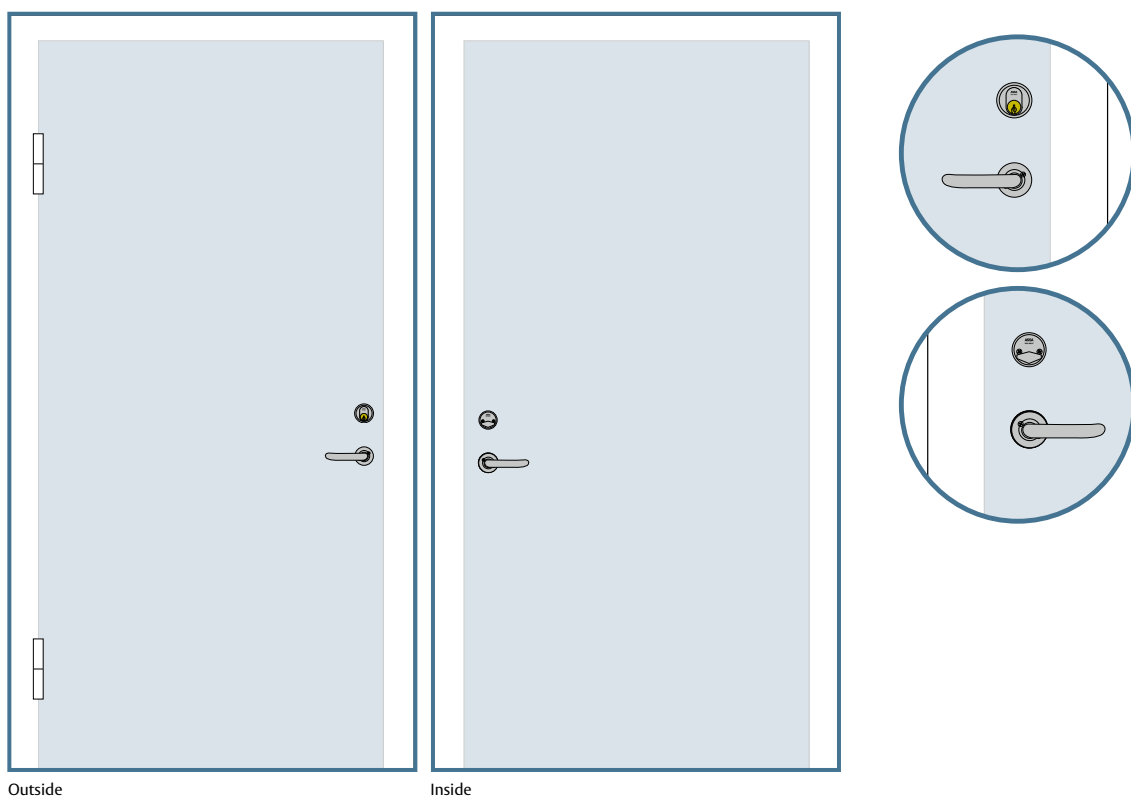
Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp 4401 CLIQ	1pcs
Cylinder accessory	ASSA 8256RF	1pcs

Functional description

Door close/open using the handle. Door lock/unlock using key from outside, and thumbturn from inside. Cylinder with dp CLIQ feature, giving access to information about who has used the cylinder. You can also remove or add users, and also program user in schedule.

Cylinder protection against physical attack and picking.

Door type 9 – Lockable door



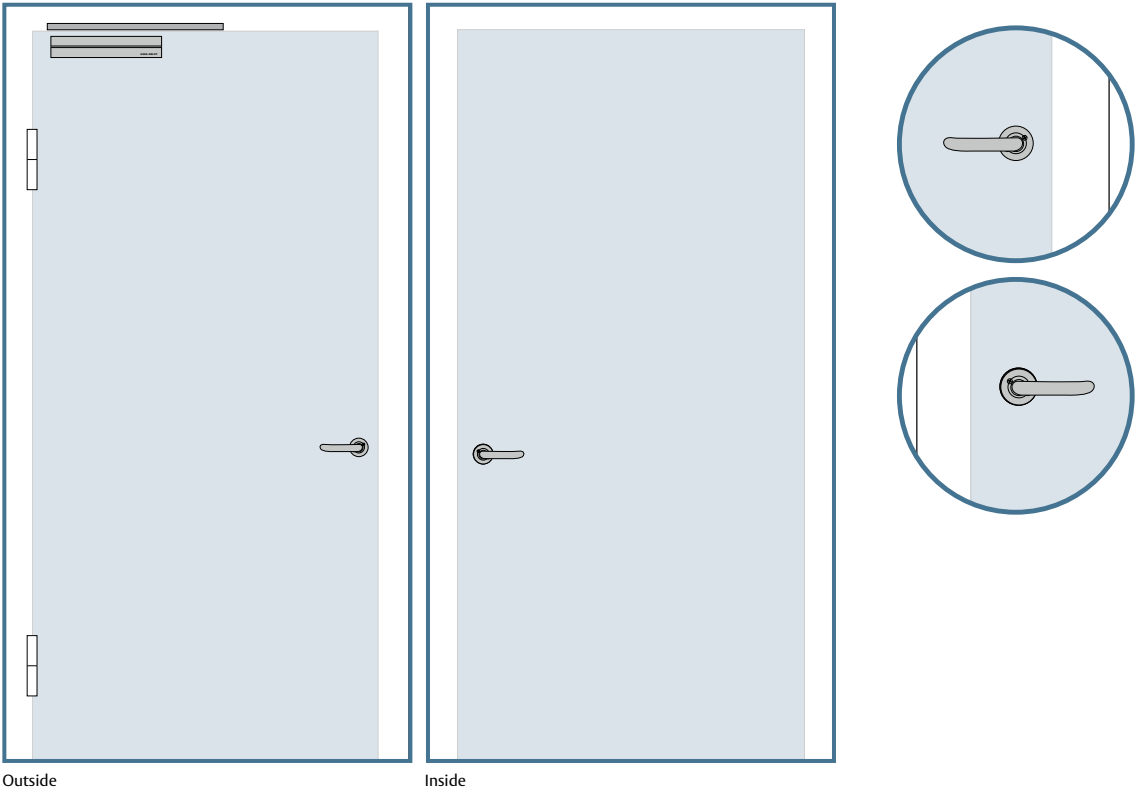
Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs
Cylinder	ASSA dp 4401	1pcs
Cylinder accessory	ASSA 8256RF	1pcs

Functional description

Door close/open using the handle. Door lock/unlock using key from outside, and thumbturn from inside.

Cylinder protection against physical attack and picking.

Door type 10 – Unlocked door, fire cell limit

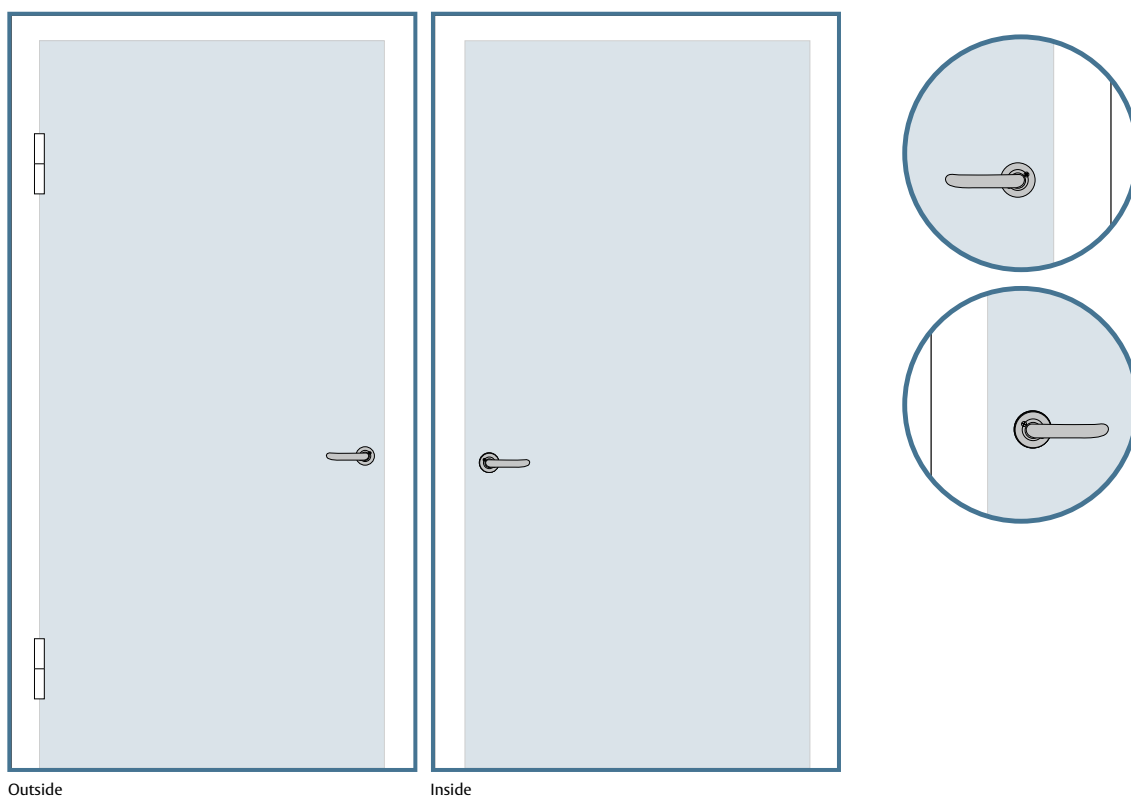


Product	Model	No
Day lock fittings		
Lock case	ASSA 212-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs
More		
Door closer	ASSA ABLOY DC300	1pcs
Arm system	ASSA ABLOY G195	1pcs

Functional description

Door is unlocked, both from inside and outside. Door closer ensures that the door is always closed after opening (but unlocked). The latch bolt safeguards the fire cell.

Door type 11 – Unlocked door

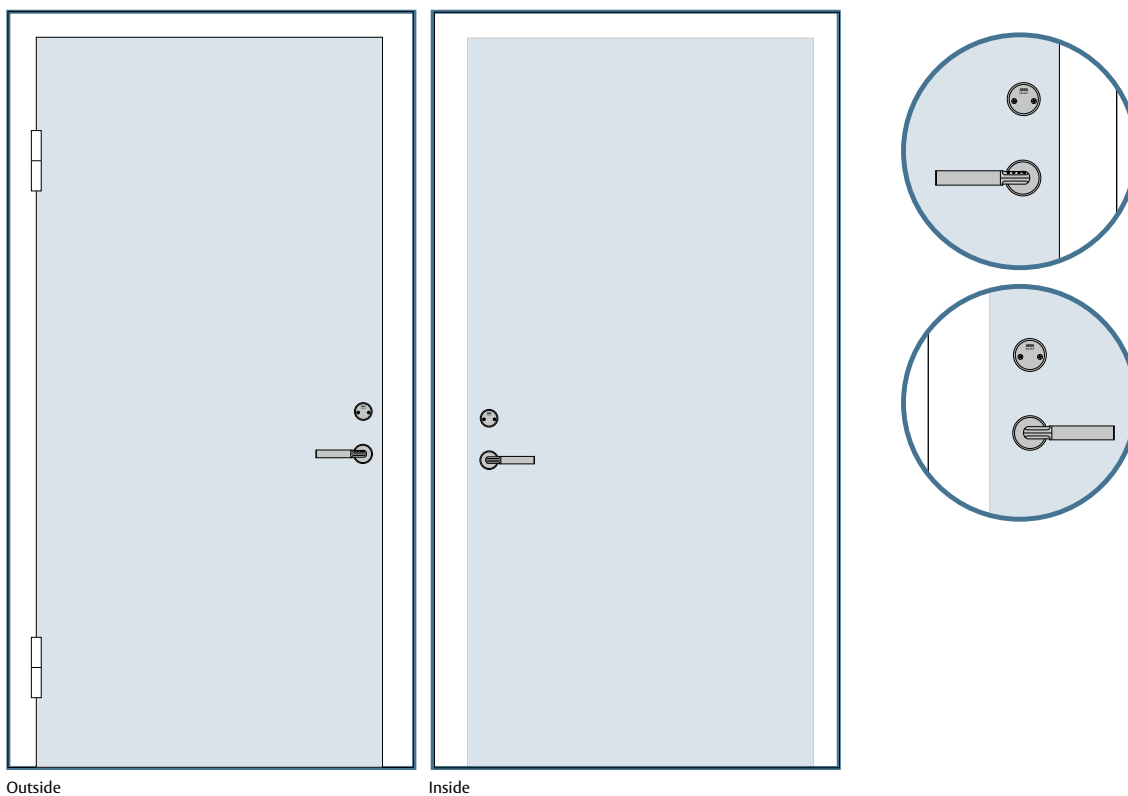


Product	Model	No
<i>Day lock fittings</i>		
Lock case	ASSA 212-50	1pcs
Strike plate	ASSA 1264-	1pcs
Handle	ASSA 8640 Hospital	1pcs

Functional description

Door is unlocked, both from inside and outside.

Door Type 12 – ASSA Code Handle Door

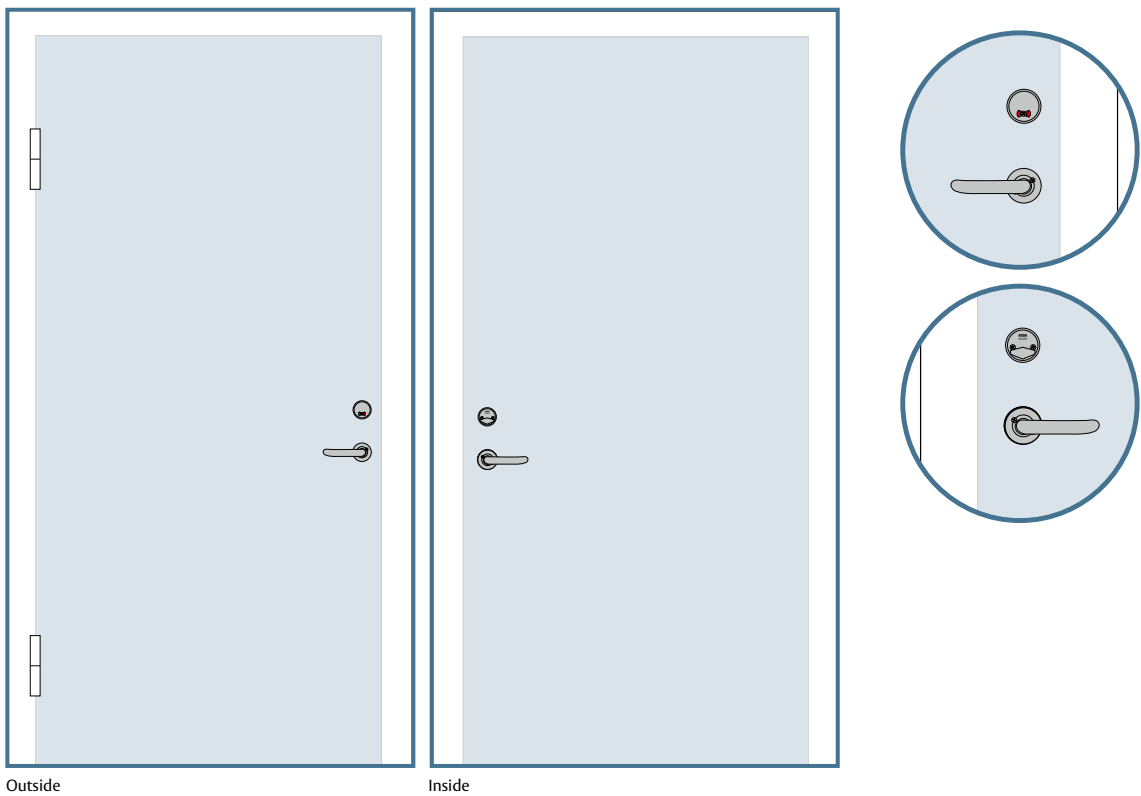


Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Latch	ASSA 1264-	1pcs
Handle	ASSA 8810 CHD	1pcs
Cylinder accessory	ASSA 4265RF	1pcs

Functional description

Unlock the door by entering correct code. Lock the door by pressing the button with a padlock symbol. Auto-locking function is also available and can easily be activated.

Door Type 13 – Toilet

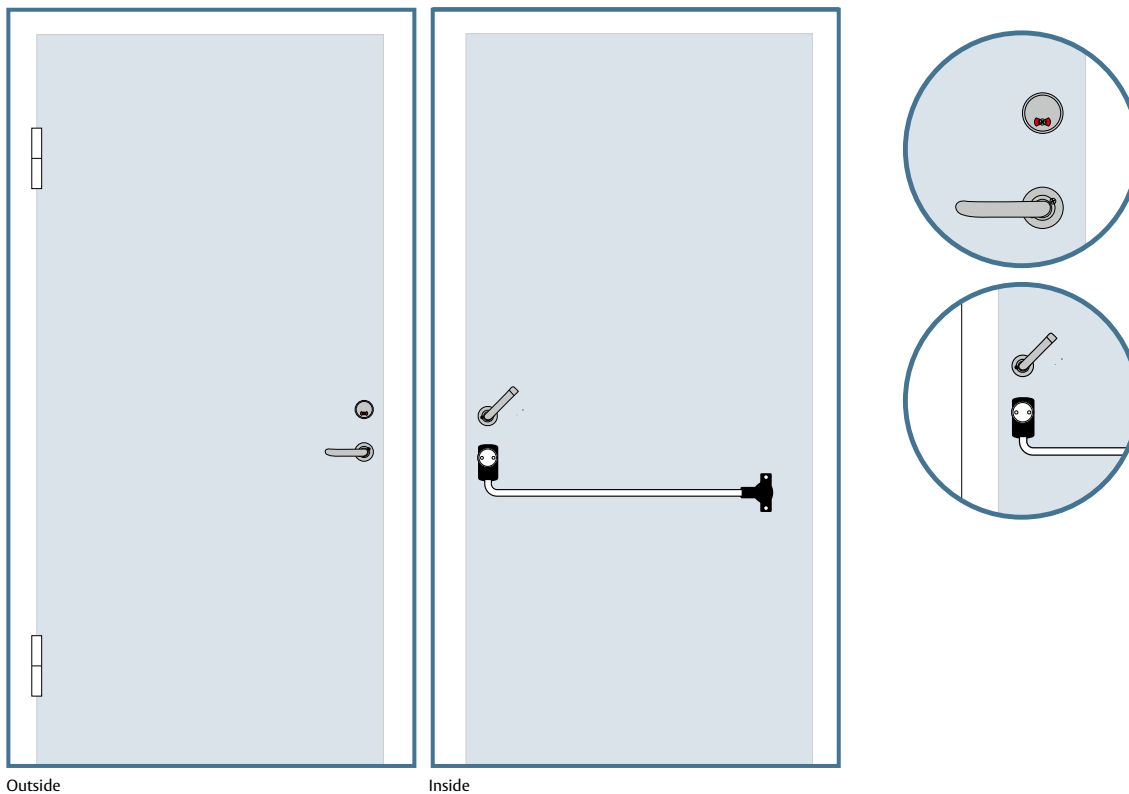


Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Strike plate	ASSA 1264-	1pcs
Toilet accessory	ASSA 8265RF	1pcs
Handle	ASSA 8640 Hospital	1pcs

Functional description

Door close/open using the handle. To lock/unlock the door from inside use the thumbturn.

Door type 14 – Toilet (Handicap friendly)



Product	Model	No
Day lock fittings		
Lock case	ASSA 310-50	1pcs
Strike plate	ASSA 1264-	1pcs
Toilet accessory	ASSA 9566T	1pcs
Handle	Included in 9566T	
Pull Handle	ASSA 417-M10	1pcs

Functional description

Locked/opened from inside by lifting the lever handle upwards, and pressing it downwards, "flip-up".

Red/white indication on the outside.

Pull handle ASSA 417 allows easy closing of door for people in wheelchairs.



Product data sheets

Master key systems

With patented products that complement each other, we are ready to meet the needs and security demands of our customers and markets. ASSA cylinder platforms provide key control for all levels of security and create a flexible foundation for planning a Master Key System.

All our mechanical high-security cylinders with dp technology can be combined in advanced online and offline solutions, such as CLIQ, dp Tronic and proximity technology.

The foundation of a security solution is having different security zones and complementing the mechanical authorization of the key with electronics for intelligent online and offline functions.



ASSA dp 4400

Master key system



Application

The ASSA dp 4400 series is a high-security cylinder with a patented security level, recommended for all types of mechanical locking systems. All master key systems let you specify high- and medium-security cylinders as well as auxiliary cylinders such as padlocks and camlocks. For this reason the ASSA dp series is the ideal solution for all types of operations and buildings. The CLIQ offline function can be added to the cylinders to provide a higher level of flexibility and security where so required, for instance perimeter protection and other important spaces where the security requirements are higher. With online functionality allowing instant and direct changes, the twintronic system offers optimal security and flexibility for the protection of your premises.

Features




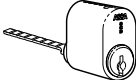









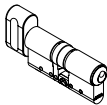

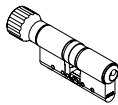





- The ASSA dp 4400 series meets the requirements of SS3522, EN1303, security Grade 6
- Protection against physical attack and picking
- The double performance technology with scrambled combinations on both blocking elements offers optimal protection against manipulation

Function

ASSA dp technology is protected by national and international patents against copying of keys, unauthorized use of key blanks and also cylinder components. The ASSA dp platform uses two independently working blocking mechanisms for protection against physical attack, picking and manipulation. Different cylinder shapes (Scandinavian, Euro profile and Mortice, etc.) and functions can be combined in the same locking system for mechanical, offline and online cylinders. The patented technology within the dp platform lets you create unique parallel system solutions with a variety of key combinations and cylinder performances. This makes the dp platform ideal for use in both unique custom-made solutions as well as traditional master key system configurations. The dp technology allows easy upgrading of CLIQ, RFID and other future technologies. ASSA dp uses force-controlled horizontal blocking elements for enhanced operational security and usage in aggressive environments where the risk of freezing and condensation is high. Using force-controlled horizontal blocking elements also reduces friction and minimizes wear and tear on the keys and cylinder components. The ASSA dp 4400 can be combined with the ASSA dp 2400 series for doors where the security demands do not require approved locking.

ASSA dp 4400

Master key system

Scandinavian oval cylinders				
				
4401	4403	4402	4407	
Scandinavian round cylinders				
				
4411	4413	4412		
Cam lock	Door tube cylinder	Wall tube cylinder	Cylinder set panic devices	
				
2471	4488	4418	4425	
M20 euro cylinders				
				
44M22	44M23	44M27	44M25	44M24
Mortice cylinders				
	Adams Rite Sargent Cam Corbin Clover Corbin Beaver Yale Std Cam Schlage L Cam Segal Cam	4451A-1 4451A-2 4451A-3 4451A-4 4451A-5 4451A-6 4451A-7		Horizontal Tail 4457-1 Lazymotion Tail 4457-2 Vertical Tail 4457-3
4451			4457	
Padlocks				
				
ASSA Green	ASSA Blue	ASSA Red		

Scandinavian oval cylinders

4401
4402
4403
4407
4408
4409

Scandinavian round cylinders

4411
4412
4413

Cam Lock

2471

Cylinder set panic Devices

4425

ASSA tube cylinders

4418
4488

M20 euro cylinders

44M22
44M23
44M24
44M25
44M27

Padlock, ASSA Green

44240
44241
44243
44244
44245
44246
44247

Padlock, ASSA Blue

44341

Padlock, ASSA Red

44441

Mortice cylinders

4451

Mortice cylinder RIM

4457A-1
4457A-2
4457A-3

Key-in-knob

4461-1
4461-6
4461-9
4463-1
4465-1
4465-2
4465-3
4465-4
4465-5
4466-1
4467-1

4467-2

4467-3
4467-9
4469-1

Tubular deadbolt

44811
44812
44813

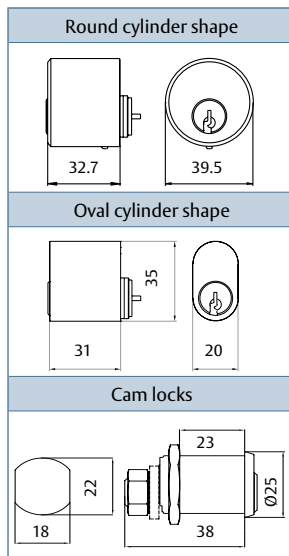
Removable core

2459 Core


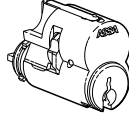
ASSA dp 4400

Master key system

Dimensions



Adapter/core

Oval cylinder shape

RC003
Core

2459

For CLIQ function add index B before catalogue number.
At cylinder series ASSA dp Ex; B4401.

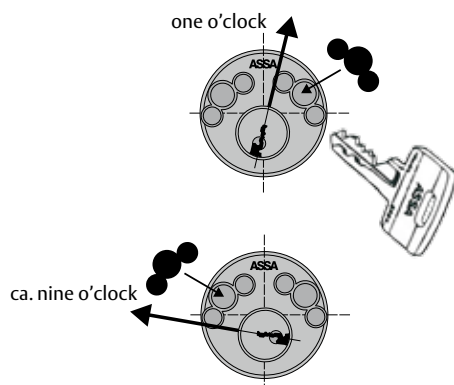


For twintronic function add index E before catalogue number Ex; 4401 => E4401

For complete description of all CLIQ and twintronic functions see respective product information leaflet.

Assembly:

Put the cylinder plugs over the screw holes for controlled dismantling. First turn the key to "one o'clock" and push in the plug between the screws on the right side of the cylinder. Then turn the key to "half past nine" for assembly of the left side plug.



CLIQ technology

Master key system



Application

CLIQ™ technology is used as an effective perimeter protection offline and for doors demanding registered and controlled security. The technology provides electronic authorization at group or individual level. Master Key cylinder with CLIQ function has the same security grade as mechanical ASSA dp cylinders but with enhanced electronic flexibility and security. A Master Key system with ASSA dp technology provides CLIQ integration in one or several doors without changing the rest of the MKS.

Characteristics

CLIQ is listed by insurance companies in approved lock sets. The system can easily be integrated with doors demanding offline security. CLIQ consists of a high-security cylinder with mechanical and electromechanical blocking elements. The key consists of a patented mechanical code and a unique electronic code. Information stored in the key is transmitted through a contact rail to be approved and registered in the cylinder.

Function

Since the units are supplied with power by the battery in the key cylinders with the ASSA's CLIQ function do not require wiring. This makes the installation, retrofit and aftersales service very easy. In a lock system with CLIQ-function different types of auxiliary cylinders, padlocks or cylinder shapes can be combined.

The cylinder has a chip with a memory, processor and operational circuit board built in. The key has a corresponding chip placed in the keybow. The programmed electronic code in the key cooperates with the electronics of the cylinder and its built-in motor. All information is encrypted by DES. This means a secure digital communications between keys, cylinders and programming units. The mechanical combinations and the electronic codes cooperate with each other and create a very high level of security with great flexibility.

PC software, ASSA Performer

Keys and cylinders have digital labelling for simple PC administration. All keys included in the system are given authorization with special software, ASSA Performer. To program cylinders the C-key of the MKS is used. The C-Key is also used to read audit trails and to change authorization of groups or individuals.

CLIQ technology

Master key system

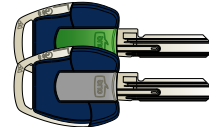
UKT user key

The user's key. Consists of mechanical combinations, electronics for identification and battery for power supply.



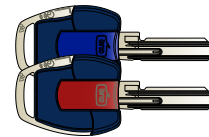
DK service key

The service station's key. Is used for identification between ASSA and the service station, digital communication and to supplement CLIQ keys and cylinders.



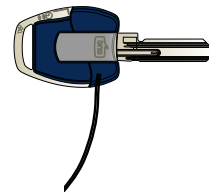
CK programming key

The system operator's key. Is used to programme in and out keys in cylinders. It can carry information for adaptation of authorization and/or reading of the cylinder history. Cylinder programming is not possible without the Set-Up key of the object.



PDK contact key

The system operator's key. Contact key is used for identification of cylinders and when adding or increasing the lock system.



Cylinders

Delivered in round and oval cylinder versions or varying types of padlocks. By SBSC AB certified cylinder and fulfils requirements for SS3522, class 3, EN 1303, Grade 6.



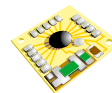
Power supply

Lithium battery of standard type 2025.



Electronics

CLIQ technology is specially developed to meet the demands of the market for flexibility and security.



DES code

DES is an advanced cipher code for civil use.



Terminal

Programming unit for programming and putting cylinders and activating keys with CLIQ function.






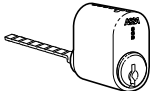
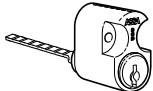
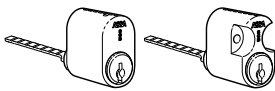



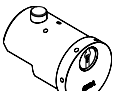
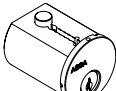

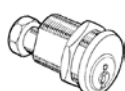



For CLIQ Function add index B before catalogue number.
At Cylinder series ASSA dp Ex; B4401.



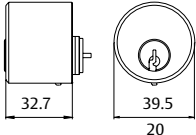
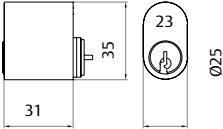
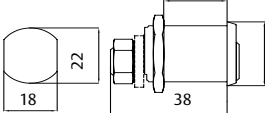
CLIQ technology

Master key system

Cylinder shapes

Oval cylinder shapes			
			
B4401	B4403	B4402	
RIM cylinder shapes			
			
B4407	B34407	B134407	
Round cylinder shapes			
			
B4411	B4413	B4412	
Auxiliary cylinders			
			
B4488	B4418	B4425	B4471
Padlocks			
			
	ASSA Green	ASSA Blue	ASSA Red

Measurement

Round cylinder shape	
	
Oval cylinder shape	
	
Industrial lock	
	





Lock cases

ASSA provides the widest range of lock cases and strike plates. Our lock cases satisfy all your safety, comfort and emergency-evacuation requirements. They are designed to be installed in fire doors and comply with current standards and CE certification requirements.

The products are compatible with the most common types of mortice and door solutions available on the market. The range includes hook bolt locks, approved locks, split-spindle locks, emergency escape locks, night latches (single and double) and adjustable security strike plates. Most of the locks can be ordered with built-in microswitches for electronically controlled doors and access control.



ASSA Connect 300 series

Lock cases



310-50
Latch hook bolt lock
ASSA Connect 310



311-50
Hook bolt lock
ASSA Connect 311



313-50
Hook bolt lock
ASSA Connect 313

Application 310

Lock case for interior doors in industrial buildings, shops etc.

Features

- Available with backset 35, 50 or 70 mm
- With hook bolt and lever latch
- Handing of the lever latch is reversible
- Lever latch of hardend steel for fire-rated doors
- The hook bolt interlocks door and frame
- CE-certified
- Used with ASSA strike plate 1264-1, 8

Function

- The hook bolt is operated with key or thumbturn
- The lever latch is retracted with lever handle or key

Application 311

Lock case for interior doors in industrial buildings and shops, in sliding doors, swing doors etc.

Features

- Available with backset 35, 50 or 70 mm
- With hook bolt
- The hook bolt interlocks door and frame

Function

- The hook bolt is operated with key or thumbturn
- Used with ASSA strike plate 1264-1, 8

Application 313

Lock case for interior doors, sliding and swing doors, shops and entrance doors etc.

Features

- Available with backset 35, 50 or 70 mm
- With hook bolt and adjustable roller latch
- The hook bolt interlocks door and frame
- Combined with pull handle or push plate
- Used with ASSA strike plate 1266

Function

- The hook bolt is operated with key or thumb turn
- The roller latch is depressed by the striking plate

ASSA Connect 300 series

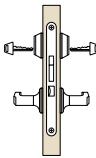
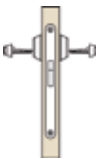
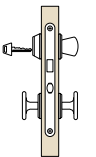
Lock cases

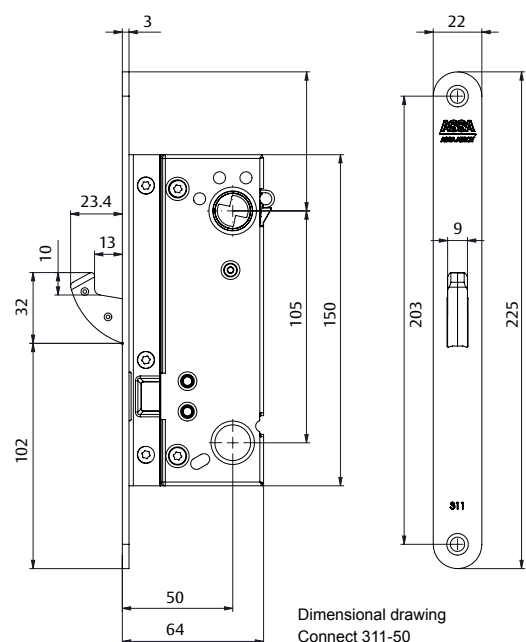
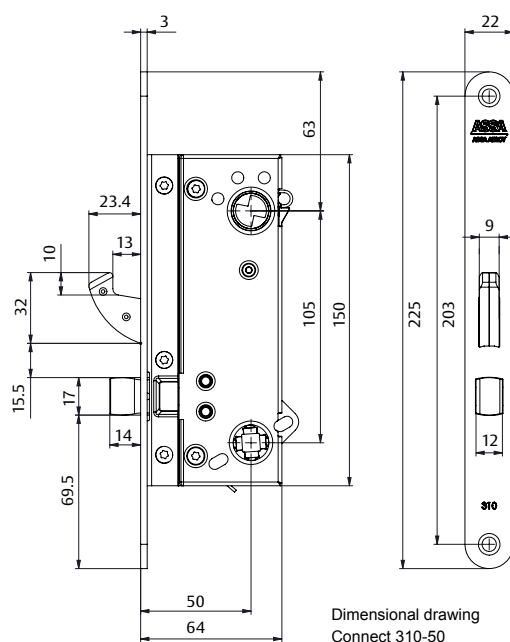
Entrance and interior doors

Lock case for entrance and interior doors where the requirements of burglary resistance are subordinate the function. The product is designed to have minimal impact on the environment during its life cycle.

Environment

This product is designed to have minimal impact on the environment during its life cycle. The product is recycled as scrap metal. Any micro-switches are separated and recycled as electronic waste.

Lock case	Application	Exterior function		Interior function
ASSA 310-50 310-70 310-35	Lock case for interior doors in offices, industries, toilette doors etc.	A 90° turn of key revokes the deadlock and places the hook bolt in thrown or withdrawn position. When hook bolt is in withdrawn position key operates latch bolt at 95°. Lever handle retracts latch bolt.	 310-50	A 90° turn of key revokes the deadlock and places the hook bolt in thrown or withdrawn position. Lever handle retracts latch bolt. When hook bolt is in withdrawn position key operates latch bolt at 95°. Lever handle retracts latch bolt.
ASSA 311-50 311-70 311-35	Lock case for sliding and swing doors equipped with a pull handle or a push plate.	A 90° turn of key revokes the deadlock and places the hook bolt in thrown or withdrawn position.	 311-50	A 90° turn of key revokes the deadlock and places the hook bolt in thrown or withdrawn position.
ASSA 313-50 313-70 313-35	Lock case for interior doors, push and swing doors, shops and entrance doors etc.	A 90° turn of key revokes the deadlock and places the hook bolt in thrown or withdrawn position. The door knob is fixed.	 313-50	A 90° turn of thumbturn revokes the deadlock and places the hook bolt in thrown or withdrawn position. The door-knob is fixed.



Not! Only for 50 dorn

ASSA 212

Lock cases, Connect 200 series



Application

Lock case for doors where only lever function is desired.

Features

- Available with backset 35, 50 or 70 mm
- With lever latch
- Handing of the lever latch is reversible
- Steel lever latch for fire-rated doors

Function

- Lever latch is retracted with lever handle

ASSA 222

Lock cases, Connect 200 series



222-50

Application

Double latch locks. Lock cases for exterior and interior doors, entrance doors, technical areas, etc.

Features

- Available with backset 35, 50 or 70 mm
- With cylinder, deadlocking and lever latch
- Cylinder latch deadlocks automatically when it is extracted 14 mm and the deadlocking latch is depressed
- Available with a built-in microswitch
- Cylinder latch can be locked back
- Handing of the latches is reversible
- Hardened steel lever latch for fire-rated doors
- Can be combined with electric strikes
- Used in combination with ASSA strike 1264-1-8
- All lock cases in the 220 series are CE-certified

Function

- Cylinder, deadlocking and lever latch are retracted with the key or the thumbturn
- Lever latch is retracted with lever handle

The lock-back mechanism in the faceplate has the following functions:

- 222 Cylinder latch cannot be locked back

ASSA 767-50

Lock cases, Connect 700 series



767-50

Application

Lockcase with lever handle latchbolt and deadlocked cylinder latchbolt.

Features

- Available with backset 35, 50 or 70 mm
- Lockcase with lever handle latch bolt and deadlocked cylinder latchbolt
- When the door is opened by the panic exit device, the latchbolt does not spring back, which enables re-entry by using the
 - Restored via the cylinder
 - Lever handle latchbolt keeps the door closed in case of fire
 - Can be combined with electric strike ASSA 900 series
 - Available with MI microswitch for indication of deadlocked cylinder latchbolt plus indication of use of the panic exit device
 - Authorized opening with key via the cylinder
 - Intended for panic exit device ASSA 1125 or 1130

Striking plates

A lock case is always mounted with a striking plate. Connect has its own series of striking plates, while Modular locks and Narrow-profile locks are compatible with the Classic series.



ASSA standard striking plates, Connect

Lock cases



1264-1



1264-5

Application

For interior doors and residential premises where standard locking is required.

Features

- For limited break force
- Rounded leading edge for low friction between the strike plate and latch bolt

Function

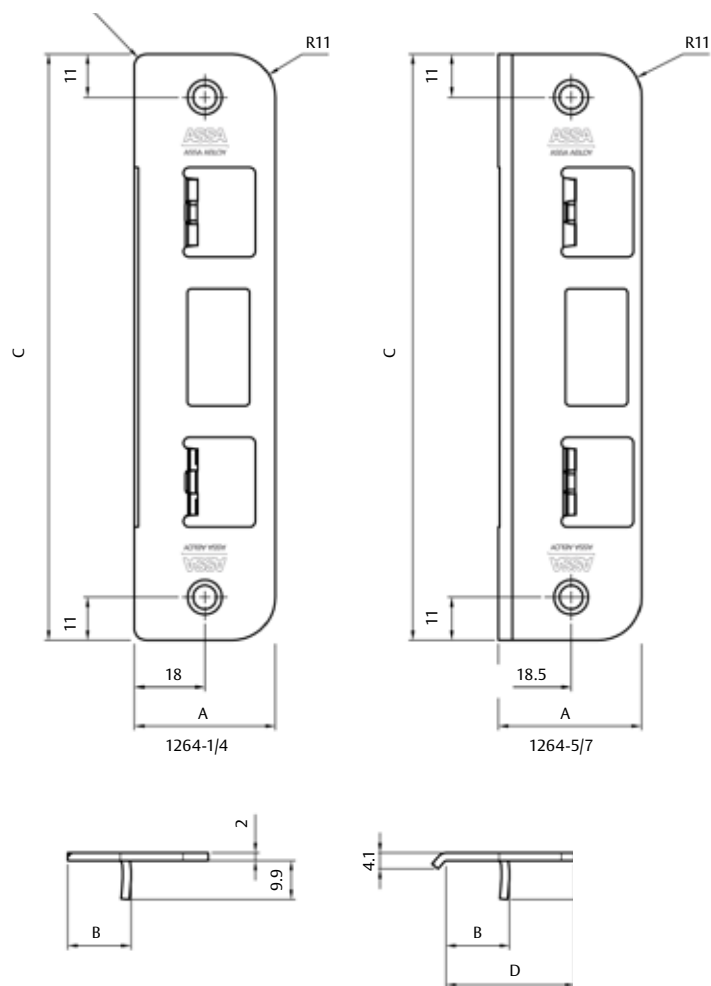
- Keeps the door in closed position through the latch bolt/deadbolt engagement
- 1264-1 – 1264-7 with single adjusting lip for adjustment of border pressure

Environment

This product is designed to have minimal impact on the environment during its life cycle . The product is recycled as scrap metal.

ASSA standard striking plates, Connect

Lock cases



Model	A Width	B Lip	C Length	D Width
1264-1	36	13.5	150	-
1264-2	36	16	150	-
1264-3	36	19	150	-
1264-4	40	23	150	-
1264-5	36	13	150	33
1264-6	36	16	150	33
1264-7	40	20	150	37
1264-8	24	5.5	155	-

ASSA security striking plate, Connect

Lock cases



Application

For perimeter protection and other important doors, where security is of the essence.

Features

- Complies with EN 12209 security grade 5
- Mounted with high-security screws to resist higher break force and for maximum resistance to attack.

Function

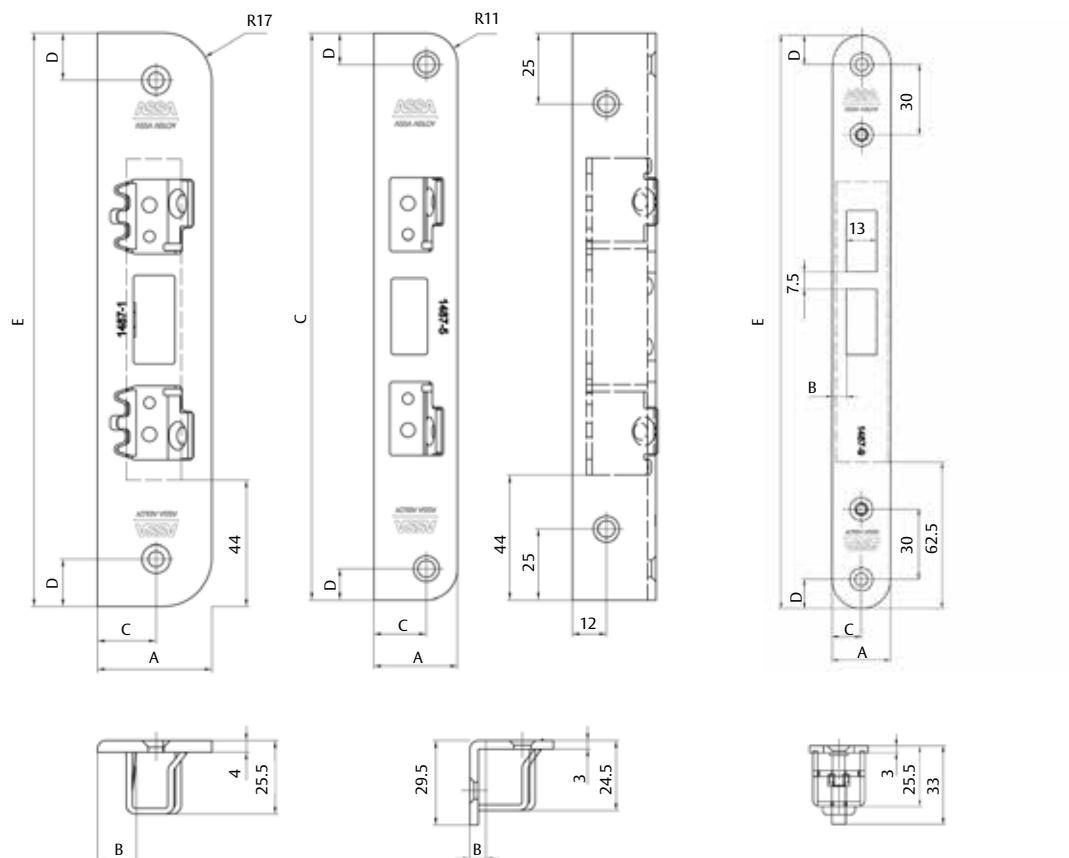
- For protection of the lock case deadbolt from physical attack and manipulation.
- With edge-rolled front for low friction between strike plate and the latch. In model numbers 1487-1 – 1487-4, the lips in the security box are adjustable to ensure that the correct border pressure is achieved.

Environment

This product is designed to have minimal impact on the environment during its life cycle. The product is recycled as scrap metal.

ASSA security striking plate, Connect

Lock cases



Model	A	B	C	D	E
1487-1	40	13.5	20.5	16.5	200
1487-2	40	16.5	23.5	16.5	200
1487-3	43.5	20	27	16.5	200
1487-4	45	21.5	28.5	16.5	200
1487-5	29.5	5.5	18.5	11	200
1487-9	25	5.5	12.5	12.5	245
1487-11	40	13.5-18.5			200
1487-12	43.5	17-22			200
1487-13	45	18.5-23.5			200

ASSA security striking plates, Connect

Lock cases



1489-11



1489-12

Application

For perimeter protection and other important doors, where security is of the essence.

Features

- Complies with EN 12209 security grade 5
- Mounted with high-security screws to resist higher break force and for maximum resistance to attack.

Function

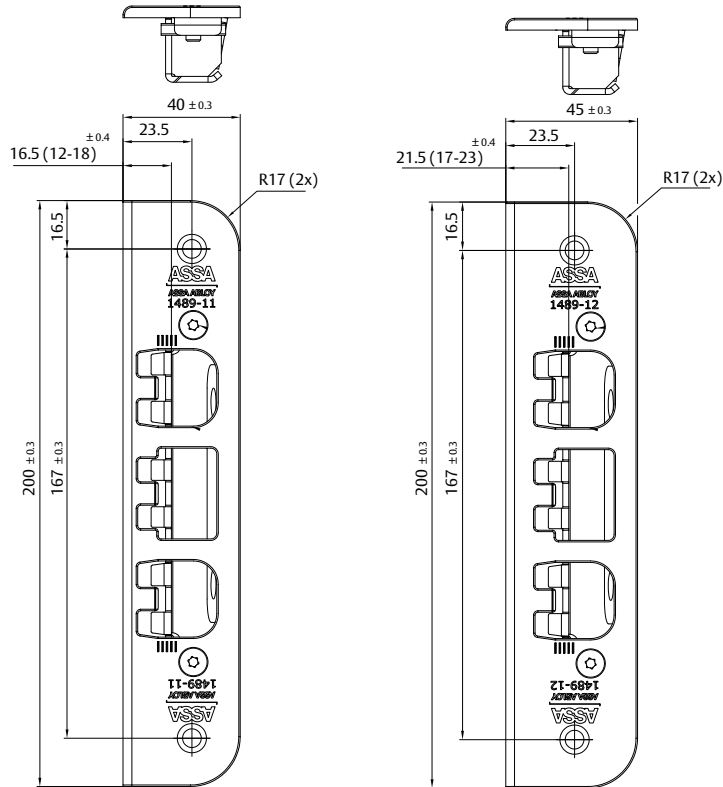
- For protection of the lock case deadbolt from physical attack and manipulation.
- With edge-rolled front for low friction between strike plate and the latch.
- Easily adjustable in steps of 1.5 mm

Environment

This product to have minimal impact on the environment during its life cycle. The product is recycled as scrap metal.

ASSA security striking plates, Connect

Lock cases



Model	Width (mm)	Lip (mm)	Angle	Length (mm)
1489-11	40	12-18		200
1489-12	45	17-23		200



Electric strikes

Electric strikes are the most commonly used product among electromechanical locks. Distinguishing characteristics are speed, durability and the number of opening cycles.

The ASSA electric strike range contains a wide variety of products developed for several applications and is available in three different security levels, in conjunction with latch locks. The STEP electric strikes are used in conjunction with bolt or hook bolt locks.



ASSA Electric strikes 900 series

900, 910, 911, 920



931-17



9487-2

Application

The ASSA electric strikes in the 900 series are ideal for doors with standard security requirements and are suitable for both perimeter security and interior applications in retail, commercial and industrial premises, as well as in entrances and common areas in apartment buildings.

Features

Designed for use in doors in combination with single- or double-action locks.

Function

ASSA Electric Strikes in the 900 series are available in 4 main types:

- Multifunction 900, 900M
 - 12-24V AC/DC
 - Easily selectable locked/unlocked function
- Locked function 910, 910M, 910C
 - 12-24V AC/DC
 - Locked in event of power failure
- Unlocked function 911, 911M, 911C
 - 12-24V AC/DC
 - Unlocked in event of power failure
- Fire-rated 920, 920M, 920C
 - 12-24V AC/DC
 - Locked in event of power failure

ASSA 900 multi

- Selectable locked/unlocked function
- High strength, resists 6.5 kN
- High impact and shockproof
- Lock case in zinc alloy
- Pivoting latch in steel
- With lock contact (900M)

ASSA 910 fail secure (locked)

- High strength, resists 8 kN
- High impact and shockproof
- Lock case in zinc alloy
- Pivoting latch in steel
- Opens even with normal seal pressure
- Lock contact (910M), Hi-O (910C)

ASSA 911 fail safe (unlocked)

- High strength, resists 8 kN
- High impact and shockproof
- Lock case in zinc alloy
- Pivoting latch in steel
- Opens even with normal seal pressure
- Lock contact (911M), Hi-O (911C)

ASSA Electric strikes 900 series

900, 910, 911, 920

ASSA 920 Fire rated E/EI 60 Fail secure

- High strength, resists 10 kN
- High impact and shockproof
- Lock case in steel
- Pivoting latch in steel
- Opens even with normal seal pressure
- Lock contact (920M), Hi-O (920C)

Technical data

ASSA electric strikes in 900 series feature:

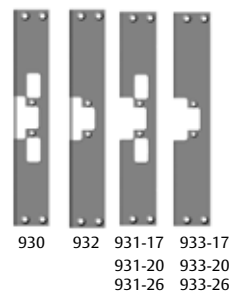
- Built-in transient protection
- Power supply 12-24VAC/VDC +/- 10%
- Starting current at 24V 250mA operation 80mA
- Starting current at 12V 500mA 160mA operation

Accessories

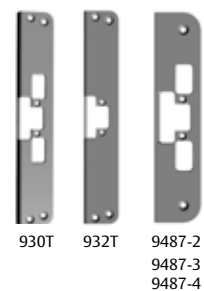
Accessories for the ASSA electric strikes in the 900 series include several faceplates intended for different door environments in wood/steel and aluminum.

Mounting poles

Steel frames



Wooden frames



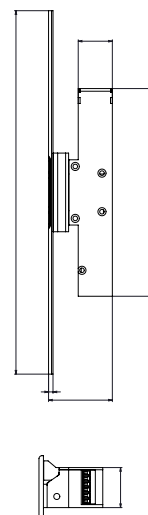
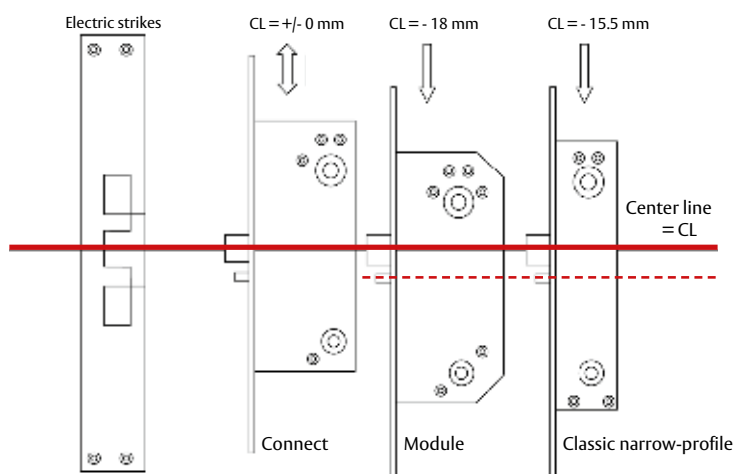
Sapa aluminium



Schuco aluminium



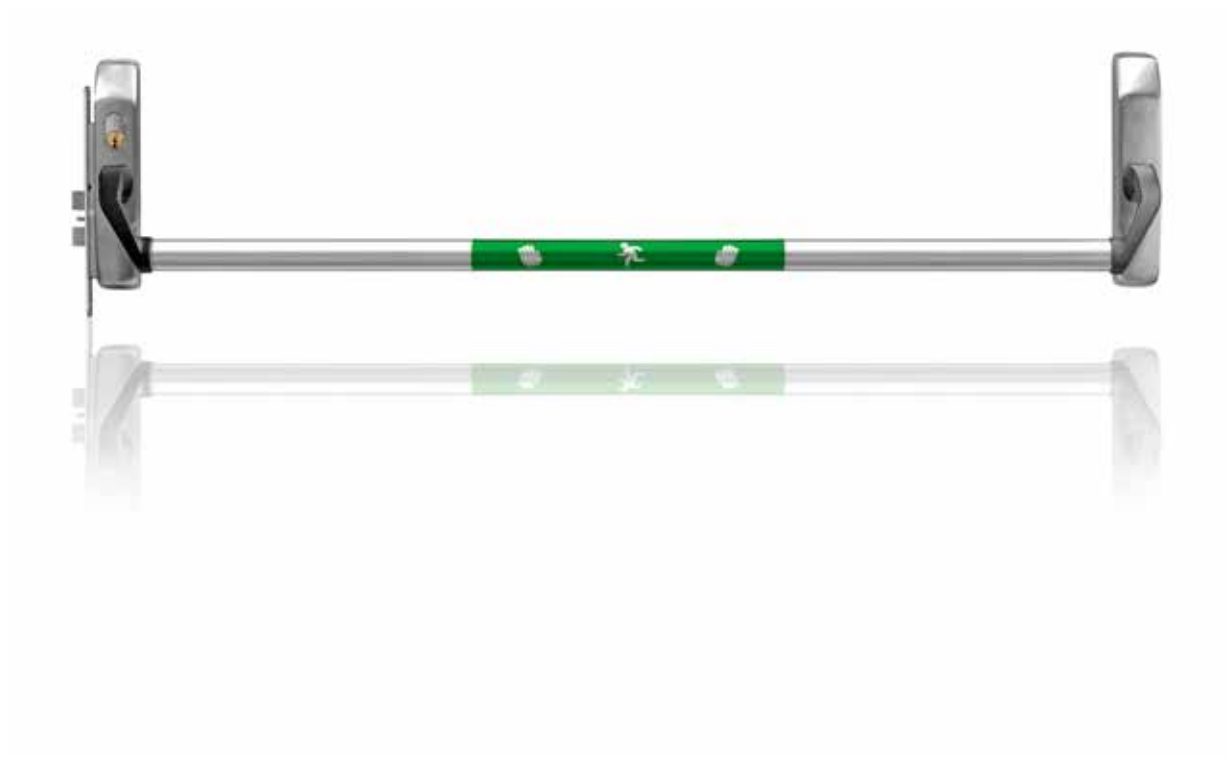
Wicona aluminium





Panic and emergency exit devices

ASSA's emergency escape program consists of two different types of fittings: panic devices and the emergency escape fittings, both created for public areas. The panic device must allow the door to open with one push, for example when people are pressed against the door. Panic devices and emergency devices open the door in the direction of escape with a single-handed grip.



ASSA 1130

Panic exit device



Application

Panic exit device for outgoing modular or narrow-profile doors. Intended for use with an ASSA lock case with 35/50/70 mm backset. Ideal for emergency escape doors in shopping malls, hotels, schools, hospitals, theaters, arenas etc. where panic can arise during evacuation.

Features

- Panic exit device with horizontal pushbar
- Certified and CE-approved according to the European Standard EN 1125 and the Construction Products Directive, 89/106/EEC
- Approved for installation on fire-resistant doors up to and including class E/EI60
- Pushbar length 1150 mm (1350 mm optional)
- The pushbar can easily be cut to fit the actual width of the door leaf
- Pushbar and cover parts are made of satin-brushed stainless steel
- Reversible for left- and right-opening doors
- Can be combined with accessories from the ASSA S4 narrow-profile range for the outside of the door and accessories 3325 or 3425 when using 50 or 70 mm backset

Function

- The door can always be opened from the inside by using the pushbar
- Microswitch function in the lock case (option) indicates use of the panic exit device
- Authorized passage by key from both the inside and the outside is always possible
- Installing an external handle on the door allows re-entry

The ASSA 1130 fits the following ASSA lock cases:

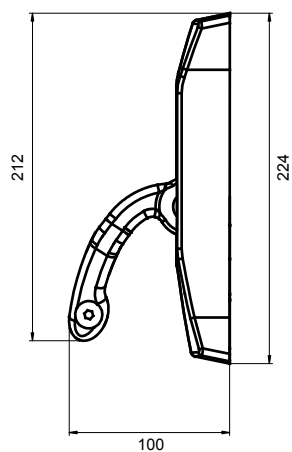
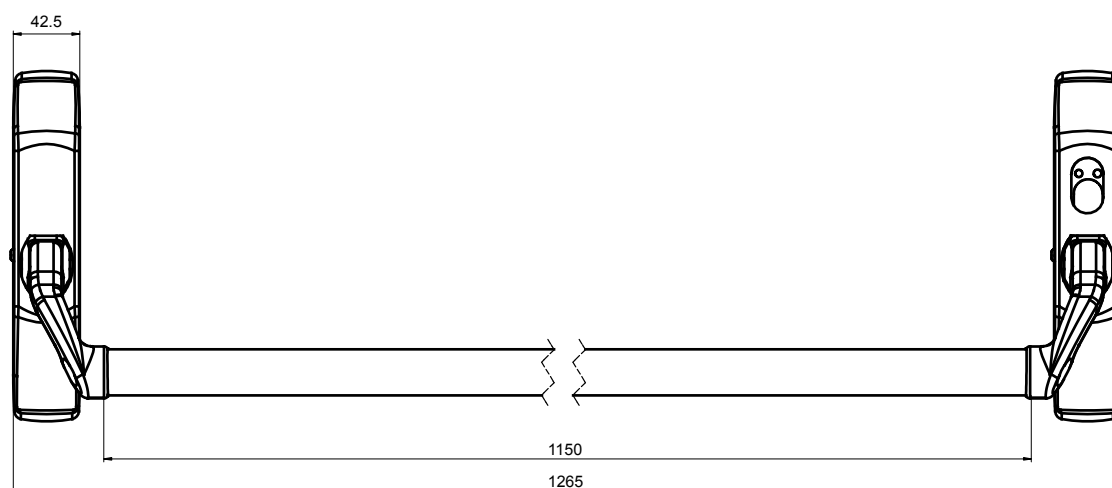
- 761-35/50/70
- 762-35/50/70
- 767-35/50/70
- 772-35/50/70



CE-approved to
SS-EN 1125 and 89/106/EEG

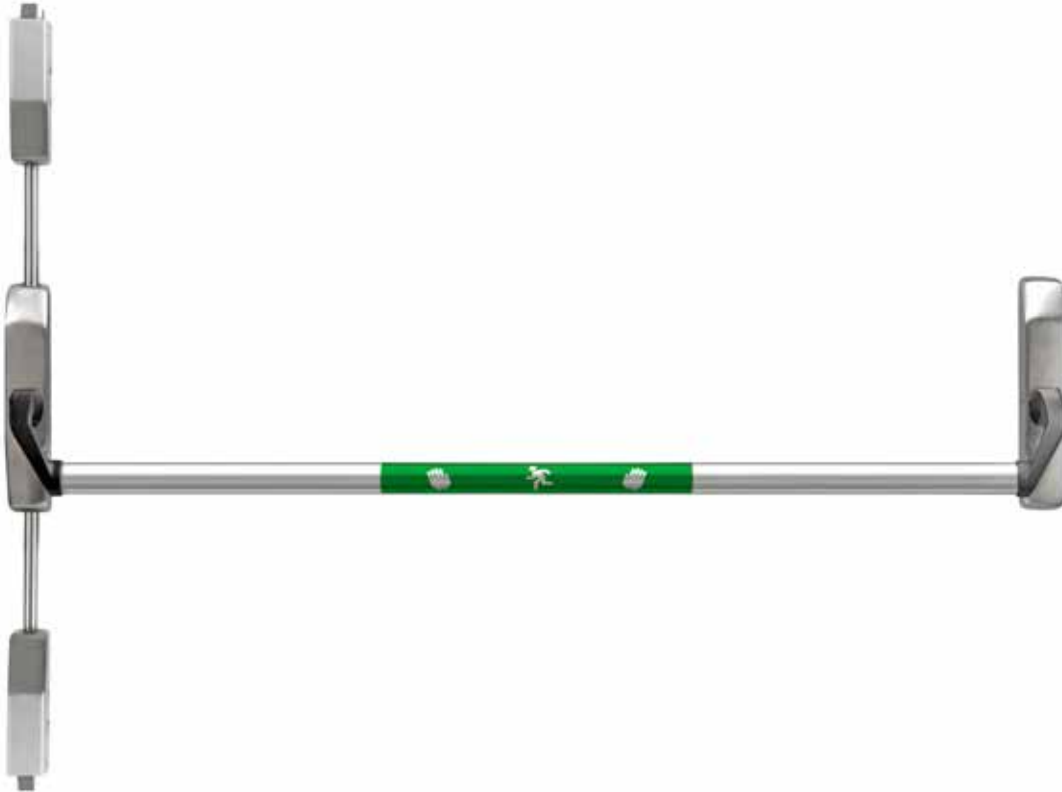
ASSA 1130

Panic exit device



ASSA 1130:1

Panic exit device



Application

Panic exit device used for passive door leaf of out-going modular or narrow-profile double doors. Ideal for emergency escape doors in shopping malls, hotels, schools, hospitals, theaters, arenas etc. where panic can arise during evacuation.

Features

- Panic exit device with horizontal pushbar
- Certified and CE-approved according to the European Standard EN 1125 and the Construction Products Directive, 89/106/EEC
- Approved for installation on fire-resistant doors up to and including class E/EI60
- Pushbar length for 1150 mm (option 1350 mm)
- The pushbar can easily be cut to fit the actual width of the door leaf
- Pushbar and cover parts are made of satin-brushed stainless steel
- Reversible for left- and right-opening doors

- Operated by vertical rods and externally placed latches
- Maximum height of door leaf is 2150 mm. With an increases set, the maximum height of the door leaf extends to 3200 mm

Function

- The passive door leaf can be opened from the inside irrespective of the active door leaf by using the pushbar
- Microswitch function indicates use of the panic exit device

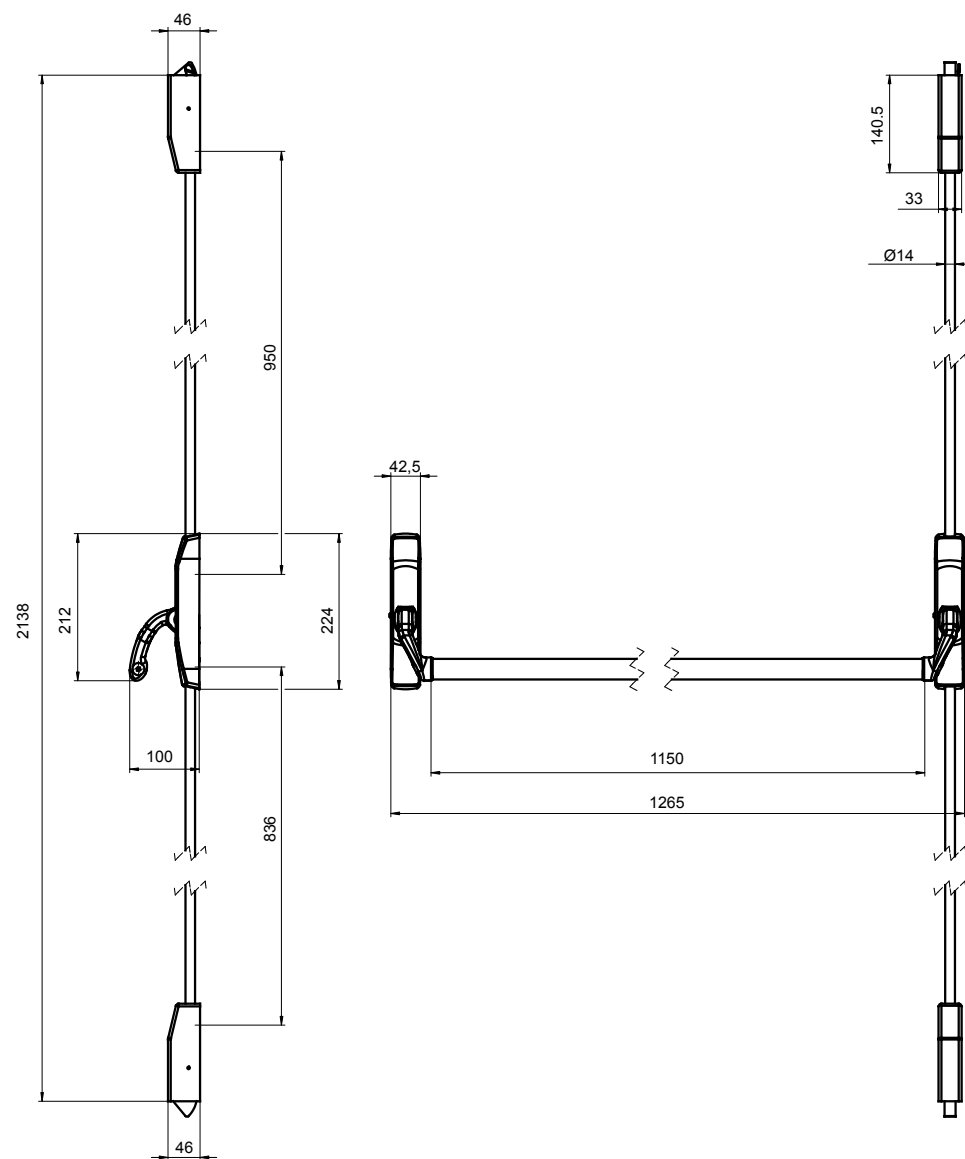
Accessories

- Pushbar 1150 mm for 1130
- Extension for vertical bar to 1130:1

CE CE-approved to
SS-EN 1125 and 89/106/EEG

ASSA 1130:1

Panic exit device



Measurement

ASSA 2396

Flush bolt, automatic, for passive door



Application

Flush bolt, automatic, for the passive door leaf in wooden, steel or aluminum double doors.

Features

- Automatic single-action
- Bolt Ø 12 mm and with a min. 17 mm throw, adjustable +10 mm
- The latch is reversible
- Material of steel for fire-rated doors
- Door preparation for flush bolt 1296, 1396 and 2396 is the same
- Face plate width 22 mm
- Dimension from the face plate to the centre of the bolt is adjustable 30-36 mm
- Finish: Bright zinc-plated

Function

- The bolt is operated by the latch bolt

Accessories

- Strike plate
- Guide, for use in wooden doors when climate changes may affect its features, and in doors with profiles of various materials

ASSA 2530

Panic strike plate



Application

Striker plate intended for passive panic pushbar ASSA 1125:1 and 1130:1. Escape through passive door half in outgoing dual doors is guaranteed independent of the lockcase in the active door half.

Assembled in combination with lockcase ASSA 761, 762, 767 or 772 in 35, 50 or 70 mm backset. Always recommended when both door halves of dual doors are equipped with panic pushbars.

Features

- Made of steel for fire safety doors
- Fits modular as well as narrow-profile doors
- Suits both left and right-handed doors
- Available with backset 35, 50 and 70 mm for wooden as well as metal doors

Function

- Opening by the passive panic pushbar moves the striker plate tongue
- Independent of the door halves' modular measurements or configuration the lockcase latch / latches won't chock up the door by colliding with the striker plate
- After closing, the striker plate and lockcase return to deadlocked fire safety position

ASSA ABLOY G461

Door closer



Door closer G461



Door cam 2010

ASSA ABLOY G461

- Door closer with Cam Motion technology and guide rail with integrated mechanical co-ordinator for double-leaf doors
- Certified in compliance with EN 1158, size 3-6
- Operates independently of door closers and offers best possible safety and reliability
- For fire and smoke protection double doors, hinge distance 1250 - 2800 mm

Characteristics G461

- Integrated mechanical co-ordinator for double doors
- Correct closing sequence guaranteed because inactive leaf must be very near to closed position before active leaf starts to close
- Active leaf can stay open at any selected angle up to 150° when inactive leaf is opened
- Standard installation types on the hinge side and non-hinge side

- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable by 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Door cam

For double doors with coordinator within a fire cell. Mounted on upper half of passive leaf. When exiting through passive door leaf the door cam will set the active door in motion to secure the function of the door coordinator

ASSA ABLOY G461

Door closer

Technical attributes

• Hinge distance	1250 - 2800 mm
• Fire and smoke protection	Yes
• Max. opening angle of active leaf (hinge side/non-hinge side)	150°/120°
• Max. opening angle of inactive leaf (hinge side/non-hinge side)	170°/120°
• Weight	2.6 kg
• Height	31 mm
• Depth	33 mm
• Length	Depends on hinge distance
• Certified in compliance with	EN 1158
• CE mark for building products	Yes

Specifications for G461

ASSA ABLOY guide rail with mechanical coordinator for double doors used with DC700 Cam Motion door closers.

- Hinge distance 1250 - 2800 mm
- Active leaf can stay open at any selected angle up to 150° when inactive leaf is opened
- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable by 14 mm
- Large range of applications

Accessories

- Mounting plate A115
- Angle bracket A116
- Angle bracket A117
- Hook arm G120 for non-hinge side installations
- Carry bar

Colour

- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

Advantages at a glance

Customer segment

Architects and Specifiers:

Builders and Installers:

Trade:

User:

Advantages

- Extensive range of uses: Fire and smoke protection doors as well as standard doors
- Modern design
- Compact design
- Adjustable to nearly any door and frame types
- Quick and easy installation
- Quickly and easily adjustable
- Suitable for hinge and non-hinge side installations
- Reduced inventory costs due to modular product range
- One single product suitable for all fitting applications
- A single model for all hinge and non-hinge sides
- Correct closing sequence guaranteed in every situation

ASSA ABLOY G462

Door closer



Door closer G462



Door cam 2010

ASSA ABLOY G462

- Door closer with Cam Motion technology and guide rail with integrated mechanical co-ordinator and two electromechanical hold-open devices for double doors
- Certified in compliance with EN 1155 and EN 1158, size 3-6
- Operates independently of door closers and offers best possible functions, safety and reliability
- For fire and smoke protection double doors, hinge distance 1250 - 2800 mm

Characteristics G462

- Integrated mechanical co-ordinator with two electromechanical hold-open devices
- Possible to keep active leaf or both door leaves open
- Hold-open angle adjustable between 70° - 130°
- Continuously adjustable hold-open force
- Correct closing sequence guaranteed because inactive leaf must be very near to closed position before active leaf starts to close

- Standard installation types on the hinge side and non-hinge side
- Non-hinge side installation needs hook arm G120
- Guide rail height adjustable by 14 mm
- Large range of applications
- Standard colours: silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Door cam

For double doors with coordinator within a fire cell. Mounted on upper half of passive leaf. When exiting through passive door leaf the door cam will set the active door in motion to secure the function of the door coordinator

ASSA ABLOY G462

Door closer

Technical attributes

• Voltage supply	24 V DC
• Max. consumption	120 mA
• Hinge distance	1250 - 2800 mm
• Fire and smoke protection	Yes
• Hold-open angle hinge-side installation	70° - 130°
• Hold-open angle non-hinge-side installation	70° - 120°
• Weight	3.1 kg
• Height	31 mm
• Depth	33 mm
• Length	Depends on hinge distance
• Certified in compliance with	EN 1155 and EN 1158
• CE mark for building products	Yes

Specifications for G462

ASSA ABLOY guide rail with mechanical coordinator and two electro-mechanical hold-open devices for double doors used with DC700 Cam Motion door closers.

- Hinge distance 1250 - 2800 mm
- Possible to keep active leaf or both door leaves open
- Hold-open angle adjustable between 70° - 130°
- Continuously adjustable hold-open force
- Correct closing sequence guaranteed because inactive leaf must be very near to closed position before active leaf start to close
- Standard installation types on the hinge side and non-hinge side
- Non-hinge-side installation needs hook arm G120
- Guide rail height adjustable by 14 mm

Accessories

- Mounting plate A115
- Angle bracket A116
- Angle bracket A117
- Hook arm G120 for non-hinge-side installations
- Carry bar
- Power supply
- Smoke protection detector
- Flush-mounted or surface-mounted release button

Colour

- Silver
- White, similar to RAL9016
- Brown, similar to RAL8015
- Black, similar to RAL9005
- Customized finish

Advantages at a glance

Customer segment

Architects and Specifiers:

Builders and Installers:

Trade:

User:

Advantages

- Extensive range of uses:
 - Fire and smoke protection doors
- Modern design
- Compact design
- Applications where active door leaf or both door leaves need to keep open
- Adjustable to nearly any door and frame types
- Quick and easy installation
- Quickly and easily adjustable
- Suitable for hinge-and non-hinge-side installations
- Reduced inventory costs due to modular product range
- One single product suitable for all fitting applications
- A single model for all hinge and non-hinge sides
- Correct closing sequence guaranteed in every situation
- Adjustable operating force, to meet door construction requirements and user need



Door control

The ASSA ABLOY Group has more than 90 years' experience of producing door closers. Our products are used to close doors all over the world and meet both Swedish and international standards ISO 9001, EN and ANSI.

ASSA door control allows many possibilities. It is not only about controlled door closing but also about convenience, comfort, security and safety.



ASSA ABLOY DC300

Door closer



ASSA ABLOY DC300

- Rack and pinion door closer with link arm L190
- Size 3-6
- Doors up to 1400 mm wide

Characteristics DC300

- For single-action doors up to 1400 mm wide
- Can be used with integrated concealed mounting plate
- Can be used for left- and right-hand doors
- Link arm height adjustable up to 14 mm
- Adjustable door speed, latching speed and backcheck from front-facing regulator valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force
- Opening angle up to 180°
- Large range of applications
- Standard colours:
 - silver, white similar to RAL9016,
 - brown similar to RAL8014,
 - black similar to RAL9005
- Customized finishes available on request

Performance characteristics, hold-open link arm L191

- Hold-open angle adjustable up to 150°
- Hold-open mode can be enabled and disabled as required
- Same installation as link arm
- Note: Not to be used with fire and smoke protection doors

ASSA ABLOY DC300

Door closer

Technical attributes

- Variable adjustable closing force size 3-6
- Door widths up to 1400 mm
- Door swing direction Left/Right-hand door
- Closing speed Variable between 180°-0°
- Latching speed Variable between 15°-0°
- Backcheck Variable above 75°
- Hold-open mode (with hold open link arm L191) Adjustable 75°-150°, can be enabled and disabled
- Weight 2.4 kg
- Height 60 mm
- Depth 47 mm
- Length 260 mm

Specifications for DC300

ASSA ABLOY Door Closer DC300 featuring rack and pinion technology.

- Closing power adjustable, size 3-6, for doors up to 1400 mm wide
- Closing speed, latch speed and backcheck adjustable from front-facing regulator valves
- Supplied with integrated concealed mounting plate
- 14 mm height-adjustable arm system for ease of fitting
- Suitable for left- and right-hand doors

Accessories

- Link arm L190
- Hold-open link arm L191
- Mounting plate A120
- Angle bracket A123
- Parallel arm bracket for parallel arm fitting A154

Colour

- Silver EV1
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

Advantages at a glance customer segment

Architects and specifiers:

Advantages

- Extensive range of uses
- Modern design
- Compact design
- Fulfills barrier-free building requirements
- Same dimensions and design with and without mounting plate
- Comprehensive functions, standard and optional

Builders and installers:

- One drilling template overall
- Adjustable to nearly all door and frame types
- Quick and easy installation
- Quickly and easily adjustable
- Suitable for left- and right-hand doors, in both door- and frame-mounted applications

Trade:

- Reduced inventory costs due to modular product range
- One single product suitable for all fitting applications
- Complementary accessories available for the whole product range

User:

- Largely unaffected by temperature fluctuations thanks to thermodynamic valves
- Backcheck feature offers optimum protection for doors and walls

ASSA ABLOY DC700

Door closer



Door closer DC700



Sliding arm G195

ASSA ABLOY DC700

- Door closer with Cam Motion technology and height-adjustable guide rail G195 or standard guide rail G193
- Fulfills barrier-free building requirements (DDA/CEN PR 15894)
- Certified in compliance with EN 1154, size 3-6
- Suitable for fire and smoke protection doors
- For single-action doors up to 1400 mm wide
- Can be used in four installation types: hinge and non-hinge sides in standard and frame installation

Characteristics DC700

- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- Can be used for left- and right-hand doors
- Guide rail height-adjustable to 14 mm
- Door speed and latching speed adjustable from facing regulation valves
- Thermodynamic valves for consistent performance
- Variable adjustable closing force

- Opening angle up to 170°
- Latching speed range adjustable
- Large range of applications
- Standard colours: Silver, white similar to RAL9016, brown similar to RAL8014, black similar to RAL9005
- Customized finishes available on request

Characteristics of Guide Rail G195

- G195 can be used with DC500 and DC700
- Height adjustable by 2 mm for easier fitting
- Concealed fastening screws

ASSA ABLOY DC700

Door closer

Technical attributes

- | | |
|-------------------------------------|--------------------------|
| • Variable adjustable closing force | EN 3-6 |
| • Door widths up to | 1400 mm |
| • Fire and smoke protection | Yes |
| • Door swing direction | Left/Right-hand door |
| • Standard and frame installation | Yes |
| • Closing speed | Variable between 170°-0° |
| • Latching speed | Variable between 15°-0° |
| • Opening angle hinge side | Ca. 170° |
| • Opening angle non-hinge side | Ca. 120° |
| • Weight | 2.7 kg |
| • Height | 64 mm |
| • Depth | 57 mm |
| • Width | 270 mm |
| • Certified in compliance with | EN 1154 |
| • CE marking for building products | Yes |

Specifications for DC700

ASSA ABLOY Door Closer DC700 with Cam Motion technology and guide rail in compliance with EN 1154.

- Closing power continuously adjustable, EN size 3-6, for doors up to 1400 mm wide
- Closing speed and latching speed continuously adjustable from front
- Supplied with integrated concealed mounting plate, suitable for fire and smoke protection doors
- CE approved
- 14 mm height-adjustable arm system for ease of fitting
- Standard installation on hinge and non-hinge sides of the door
- Suitable for left- and right-hand doors

Accessories

- Standard guide rail G193
- Height-adjustable guide rail G195
- Mounting plate A120
- Mounting plate A130 for Guide Rail G193 and G195
- Angle bracket A104 for Guide Rail G193
- Mechanical opening damper A153
- Mechanical hold-open device A152 (not for fire and smoke protection doors)

Colour

- Silver
- White, similar to RAL9016
- Brown, similar to RAL8014
- Black, similar to RAL9005
- Customized finish

Advantages at a glance customer segment

Architects and specifiers:

Advantages

- Extensive range of uses
- Modern design
- Compact design
- Fulfills barrier-free building requirements
- Same dimensions and design with and without mounting plate

Builders and installers:

- One drilling template overall
- Adjustable to nearly all door and frame types
- Quick and easy installation
- Quickly and easily adjustable
- Suitable for left- and right-hand doors for standard and frame fitting on hinge and non-hinge sides

Trade:

- Reduced inventory costs due to modular product range
- One single product suitable for all fitting applications
- Complementary accessories available for the whole product range

User:

- Largely unaffected by temperature fluctuations thanks to thermodynamic valves
- Easier door opening and improved accessibility due to Cam Motion technology



Access control systems

ASSA have many years of experience in developing systems. Our comprehensive product range of door environment solutions allows us to offer a complete solution with both physical security and access control.

Our access control product range includes everything from card and tag readers, entry phones and central units to user-friendly software with integration capabilities. It also offers adaptability to customer needs for functionality, safety and cost position. Our products and solutions available today range from simple installations to large, complex access control systems.



ASSA PCR45

Compact Mifare reader with keypad



The PCR45 is a compact Mifare reader for encrypted sector reading suitable for access control of interior doors in systems using the technology. The PCR45 can be installed stand-alone, in which case it is programmed directly via the keypad, or as an online system, which facilitates the administration of authorization. The reader easily connects directly to the LCU9016, LCU9017 and 6416CE and can also be used as a code lock and an alarm bypass facility when it is part of a control unit with at least one DAC430/DAC420 connected.

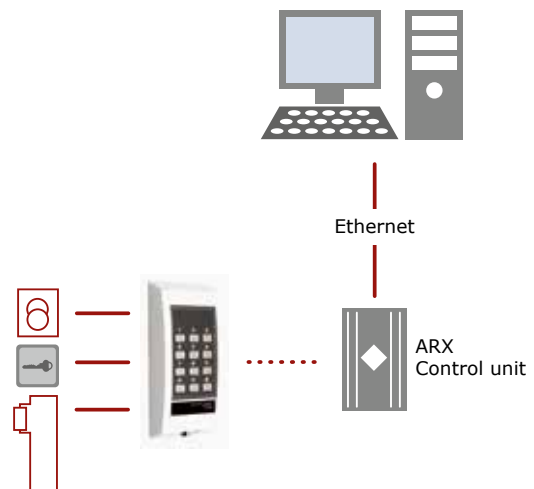
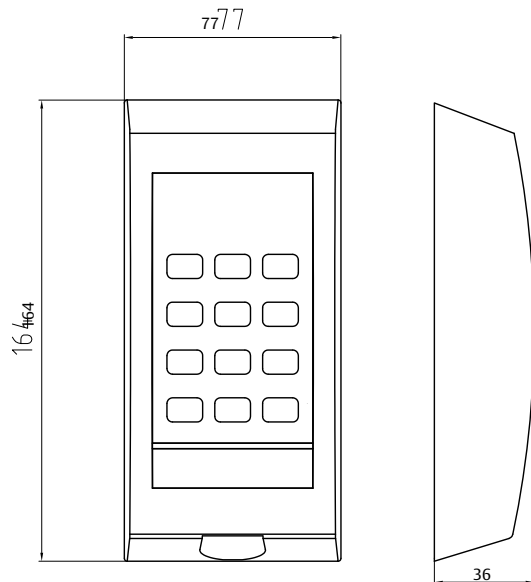
The PCR45 is a touch-free reader with a read distance of 4–5 cm and comes in a black or white finish. The reader has backlit symbols, green and red indicators for alarm status, and symbols for "enter code" and "present code carrier". The keypad is backlit and the buttons are made of durable stainless steel with a distinct touch response.

Both Mifare cards and tags can be used as the code carrier. Both variants are passive and contain no batteries. The tags are practical since they are smooth and can easily be placed on a keyring. Cards can be pure Mifare cards or combination cards with EM4102 and/or magnetic strip. This gives a vast flexibility when a system is converted from another technology to Mifare sector reading, or when you want to use the same card in facilities with different reader technologies. The reader can also be used as a simple serial-number reader.

With a PCR45, you can always grow from the stand-alone reader to an online system with several thousands of doors, without having to replace any reader.

ASSA PCR45

Compact Mifare reader with keypad



Indications

- Card reader running/ready
- Door unlocked
- Common code/code lock function
- Card + PIN code
- Blocked for access
- Shows alarm status for alarm-authorized card
- Invalid card

Material

- PC plastic with black sticker.
- Halone/Halogen-free
- Fulfils the requirements for IP54
- Stainless pushbuttons

Data

- Supply voltage 12 – 24 V AC/DC
- Own consumption 100 mA
- Weight 0.5 kg
- Temperature range reader -20° C to +70°C
- Built-in DAC interface Directly connected to LCU9016, LCU9017, 6416CE

Other

- Has a built-in tamper switch
- Lockable casing
- Cast base plate

Article number

- S556 545 085 White
- S556 545 084 Black

ASSA 7585MF

Mifare Reader for encrypted sector reading



ASSA 7585MF is a Mifare reader for encrypted sector reading, with built-in Hi-O™ technology. Hi-O means that the units have a built-in processor and communicate with each other for plug-and-play installation. Hi-O enables intelligent supervision of door behavior in real time.

The Mifare Technology gives a very high security level since it uses customer-unique encryption keys. With a set-up card, unique for the site, the readers and credentials (cards and tags) of the system are linked together so only the credentials of the site can be used in the system. Copying and illegal manufacturing of credentials aren't possible, since neither encryption keys nor system numbers are known to unauthorized personnel.

ASSA 7585MF gives a considerably higher security level than readers only reading a serial number (Mifare, EM4102 or magnetic stripe) since those credentials lack encryption and therefore are possible to copy.

ASSA 7585MF has the unique feature of reading Mifare sector data and serial number simultaneously. It is a good feature for customers having both sector-encoded cards and cards with only serial numbers.

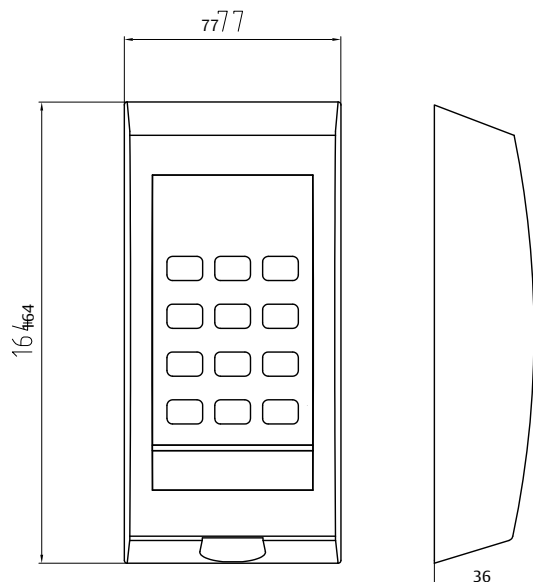
ASSA offers as standard Mifare cards and tags with a storage capacity of 1kBit in 16 optional programmable sectors. The reader can also handle cards with 4 kBit and 32 sectors. The access system uses one sector to store system and card number. Other sectors can be used for other purposes, for example storage of fingerprints for biometric readers, or debitfunction for dining rooms and vending machines.

The reader is contactless with a reader range of 5 -7 cm. For easy handling the reader has backlit symbols, green and red indication for alarm status, and symbols for "enter code" and "present card/tag". The keypad is backlit and the buttons are made in durable stainless steel.

7585MF has a time-less design and comes in black or white. The reader is suitable both indoors and outdoors, since it meets the demands for IP54.

ASSA 7585MF

Mifare Reader for encrypted sector reading



Indicators

- Card reader in operation/ready
- Door unlocked, sound and light
- Door code/code lock function
- Card/tag + PIN code
- Entry blocked
- Indicates alarm status for alarm-authorized card/tag
- Invalid card/tag, sound and light

Material

- Polycarbonate
- Halon/Halogen-free
- Cast bottom plate
- Meets the requirements for IP54

Data

- | | |
|-----------------------------|--------------------------|
| • Supply voltage | 12 V DC |
| • Power consumption | 100 mA |
| • Weight | 0.4 kg |
| • Temperature range, reader | -25°C to +70°C |
| • Read technology | Mifare |
| • Communications | Hi-O or CL20 |
| • Can be connected to | DAC400 and DAC500 Series |

Accessories

- TMV01 for 35 degree mounting
- RST35/90 Rain protection
- 6170RS Rain protection, stainless steel

Can be connected to

- ARX and RiTA systems

Miscellaneous

- Has an integral sabotage contact
- Meets the requirements for IP54
- Read distance 5-7 cm
- Fast reading
- Lockable enclosure
- Illuminated keypad

Article number

- | | | |
|----------|--------|--------------|
| • 7585MF | Black | S557 585 084 |
| • 7585MF | White | S557 585 085 |
| • 7585MF | Silver | S557 585 086 |



CE controlled and approved

ASSA TKN50

Touch-free exit button for easy unlocking

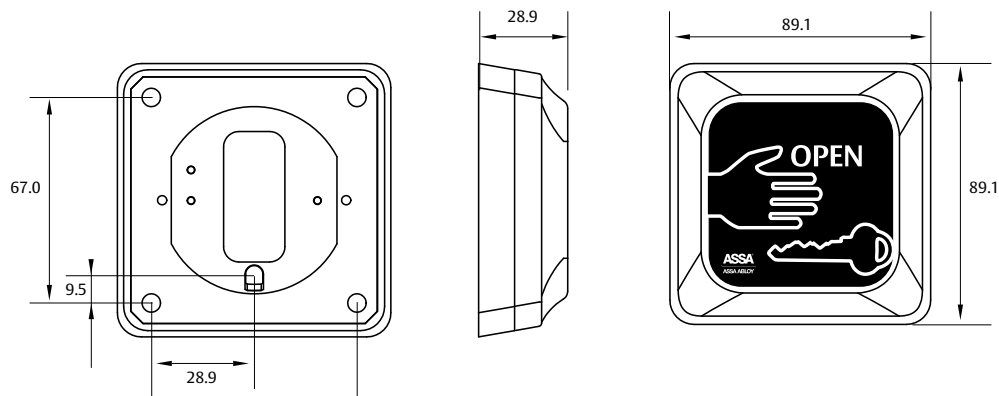


The TKN50 is a touch-free exit button for easy unlocking of the door from the inside. The touch-free function makes it very suitable in sterile environments where you want to avoid physical contact. All you have to do is hold your hand in front of the exit button, at a distance of up to one centimeter, to unlock the door.

The TKN50 is a Hi-O™ unit. Hi-O means that the units have a built-in processor and communicate with each other for plug-and-play installation. Hi-O enables intelligent supervision of door behavior, in real time.

ASSA TKN50

Touch-free exit button for easy unlocking



Indications

- Blue LED

Material

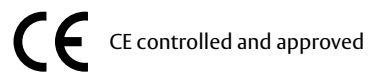
- White PC plastic with black sticker
- Halone/halogen-free
- Fits in standard electrical box

Data

- Supply voltage 12-24 V DC
- Power consumption 50 mA
- Touch distance 1 cm

Article number

- S515 000 085 White



CE controlled and approved

ASSA DAC564

Door control unit



The DAC564 is a communication unit and an intelligent connection terminal block designed to be fitted next to each door environment. An electric lock, reader and exit button are connected to each unit.

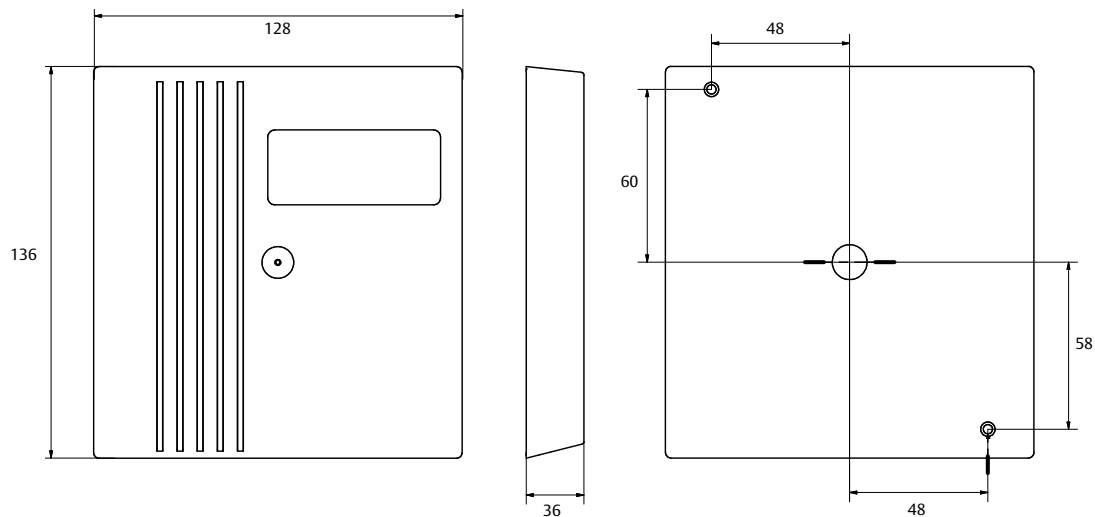
The DAC564 is a Hi-O™ unit which can be connected to a Hi-O bus, however it can also be used as a traditional DAC and connected to non-Hi-O units, such as a reader, electric lock and exit button.

Hi-O means that the units have a built in processor and communicate with each other for plug-and-play installation. Hi-O enables intelligent supervision of door behaviour, in real time.

DAC564 has a built-in motor lock controller for HiO motor locks.

ASSA DAC564

Door control unit



Enclosure

- Impact-resistant ABS plastic according to SIS 166653
- Halogen/Halon-free

Relay functions DAC564

- Time-controlled exit
- Buzzer
- Temporary alarm bypass
- Automatic door controls
- Door leaf position
- Electrical striking plate
- Temporary alarm bypass connection that opens if the door is open too long
- Sabotage protection
- Reflects blocking input in zone
- Balanced UT/SAB
- Balanced UT/ALARM
- Disabled exit
- Unconditional buzzer exit
- Door automatic controls with IR/Radar
- Exit
- Entry
- Invalid card/code
- Permanent alarm bypass connected via relay card

Data

- Supply voltage 12 – 24 V AC/DC
- Maximum power consumption 12 V DC 55 mA
24 V DC 40 mA
- Weight 200 g
- Volume 0.0832 m³
- Temperature range +5°C to +40°C (non-condensing)

Article number

- DAC564 S 556 656 1085

Reader technology that can be handled

- EM4102, Mifare, CL/DATA (magnet), Wiegand, Solicell (touch memory)



CE controlled and approved

ABLOY EA280, EA281

Cable loop



Application

The EA280/EA281 recessed cable loops are for transferring cables from frames to doors; suitable for swing doors only.

Features

Install EA281 if the opening angle exceeds 120° or if the coil spring parallel dislocation exceeds 40 mm.

Cable diameter max. Ø 7.4 mm; flexible cable maintains performance.

Function

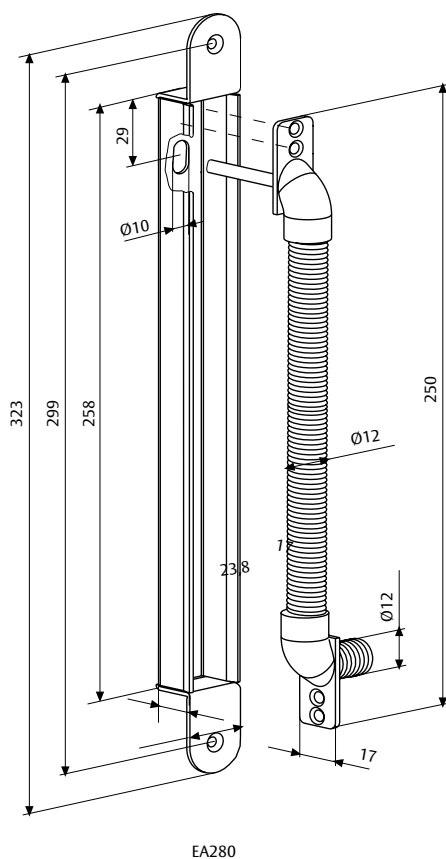
Cable loop installation; housing preparation in the upper part on the hinge side of the door, coil spring flange of the corresponding height on the frame, the cable must be pulled through before fastening. The preparation must be wide enough to allow the cable to flex under the housing and coil spring flange.

Note:

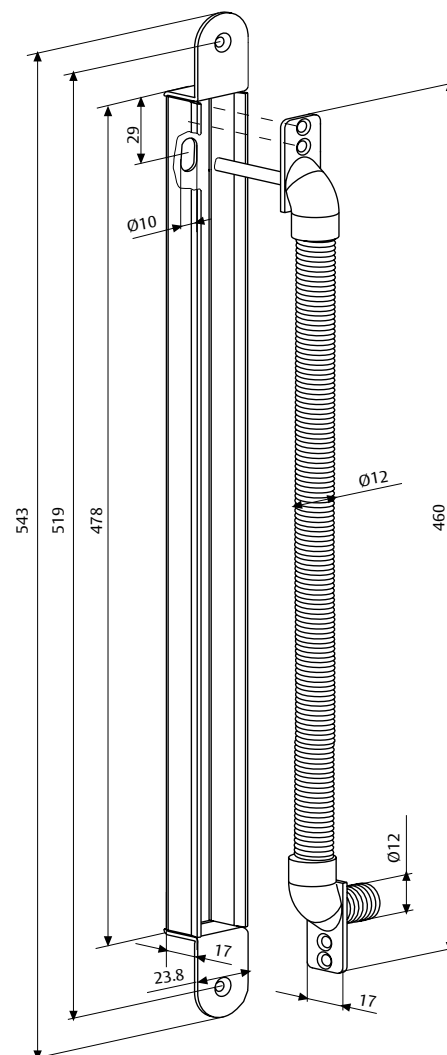
One cable in each door loop only.

ABLOY EA280, EA281

Cable loop



EA280



EA281



Accessories

ASSA offers the widest range of hardware in the market for secure, functional and decorative use. A large number of our fittings can be delivered in our nickel-free Prion® plating, which is suitable for allergy sufferers.

We have also launched a new plating named Addion®, which is not only nickel-free but also anti-bacterial. Addion is a unique metallic plating that combines effective decomposition of bacteria with a high degree of resistance to wear and tear. Consequently, Addion is perfect for environments in which bacteria spread easily, such as in healthcare, schools and childcare facilities, etc.



ASSA 3325

Accessories for panic exit device ASSA 1125 and 1130



Application

Accessory for decorative and functional installation in combination with panic pushbar ASSA 1125/1130 and lock cases with backsets of 50/70 mm.

Features

- Material: brass
- For installation with cylinder types: ASSA 725, 4425, 4625, 4825, 5625, 5825, 6525 or 7625
- Available in several decorative finishes

Function

- Accessory for decorative and functional mounting
 - 3325: Decorative cylinder socket and round cylinder ring. Lever handle ASSA 6696 for the outside. The external handle on the door allows re-entry
 - 3425: Decorative cylinder socket and round cylinder ring. Cover plate for outside lever handle space. After opening the door it returns to locked position and cannot be opened from the outside without a key

ASSA 8640

Sprung lever handle with needle bearing, stainless steel



Application

Our stainless steel lever handles, pull handles and accessories are ideal for modern public areas such as institutions and offices. The stainless steel material is highly resistant to corrosion and severe air pollutants, and is recommended for use in environments with stringent hygienic requirements.

Thumbturns, toilet and cylinder accessories are available in the same design series to complement the ASSA stainless steel lever handles.

Features

- Finish: Satin-brushed stainless steel AISI 316L
- Standard rose with return spring that supplements the handle follower spring in the lock case and helps the handle return to horizontal position
- Through-bolt fixing with 5 mm Ø screws and nipples for greater strength
- The two handle halves are linked by a replaceable square spindle and screws in various lengths for different door thicknesses
- Available with an independent clip-on rose for hidden screw attachment (model 8680 and 8690 excluded)
- Standard rose: 53 mm Ø and clip-on rose 55 mm Ø

ASSA 417-M10

Pull handles, single



Application

Facilitates the closing of doors in public environments, for example toilet doors.

Features

- Fixed mounting, doesn't affect handle or lock
- Mounted horizontally on the door as pictured
- Delivered in parts, which enables adaptation to right or left door
- The pull handle can be shortened to suit narrower doors than the Modular 10
- Finish: Polished stainless steel

Function

A complete handle package includes:

- 1 polished stainless steel pull handle with a length suitable for a Modular 10 door
- 2 fittings of die-cast aluminium (silumin), black epoxy-painted
- 1 screw for attaching the holder to be mounted under the clip-on rose

ASSA 8256RF

Cylinder accessories for oval cylinders, stainless steel



Application

Cylinder accessories for interior and exterior locking.

Features

- Fits ASSA oval single cylinders
- All visible parts made of satin-brushed stainless steel
- The height of the cylinder ring and length of the screws and thumbturn follower are chosen according to door thickness

Function

- Thumbturn for operating bolt and/or latch
- The cylinder ring helps prevent damage to the cylinder.
 - 8256 RF: Accessory for single cylinder and thumbturn

ASSA 8265RF

Toilet accessory, stainless steel



Application

For toilet doors in all kinds of environments.

Features

- Fits ASSA lock cases 565 and 310-50/70
- Red/white indication on the inside and outside
- All visible parts made of satin-brushed stainless steel
- The length of the screws and the square spindle are chosen according to the door thickness
- Through-bolt fixing with two screws 5 mm Ø and fixed nipples

Function

- Thumbturn function on the inside
- Can be opened from the outside with a screwdriver

ASSA 9566T

Toilet accessories for modular locks



Application

For institutions and public places.

Features

- Material: Brass
- Fits lock cases ASSA 565 and 310-50/70
- Can be opened from the outside
- Available in several decorative finishes
- The length of the screws and the square spindle are chosen according to the door thickness

Function

- Locked/opened from the inside by lifting the lever handle upwards and pressing it downwards, "Flip-up"
- Red/white indication on the outside
- Can be opened from the outside with a flat screwdriver or a coin



Code Handle Door

Electromechanical code handle for doors, offering easy and convenient locking/unlocking of interior doors. For example, office doors, staffrooms, archives, back office and store applications.



ASSA ABLOY Code Handle Door

Electromechanical code handle for doors



Application

For easy and convenient locking/unlocking of interior door. For example, office doors, staffrooms, archives, back office, store applications.

Features

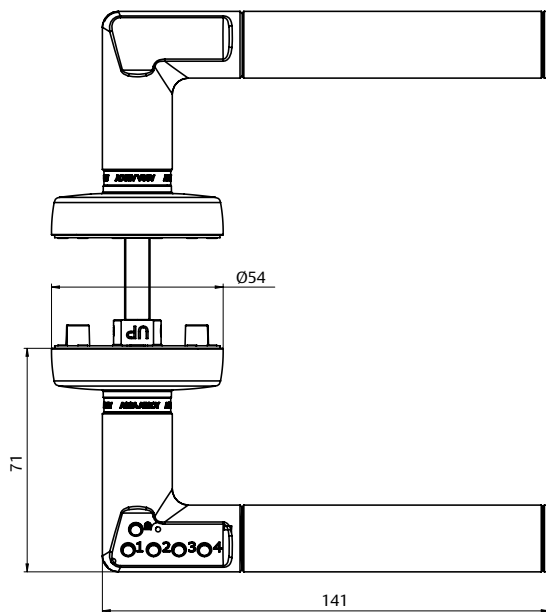
- "Access Filtering"
- Easy locking without keys
- No wiring
- Master code and up to 9 user codes.
- Blocking function if wrong code is entered five times
- Auto or manual locking
- "Simplicity creates security"

Function

- Indoor use only
- Fits lock cases with DIN, ANSI and other relevant standards
- Two CR2, 3V lithium batteries tested for approx. 60,000 operations
- 4-6 digit code
- Material: brushed stainless steel and satin-chrome zinc
- Indication for battery change
- Tested to at least 100,000 operations, according to EN 1906
- Fire-tested according to EN 1363

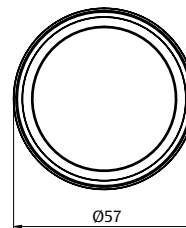
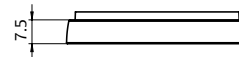
ASSA ABLOY Code Handle Door

Electromechanical code handle for doors



Model example 8812

Distance ring 8820 (accessory)



Spacer ring 8820 (accessory)

8812 for European DIN standard
8810 and 8811 for Scandinavian standard
8814 for ABLOY lock cases
8815 for Japan
8816 for ANSI Standard North America
8818 For Spain (8812 rose with 45°)
Also available in Long Plate versions.

For drawings of 8810, 8814, 8815, 8816, 8817 and 8818,
please go to www.assaoem.se.

Number	Description	Adopted for locks	Non coded model
8812-7	Code Handle	DIN Standard 7mm spindle (FR)	8802-7
8812-8	Code Handle	DIN Standard 8mm spindle (EU)	8802-8
8814	Code Handle	ABLOY lock cases (9456 etc.)	8804
8815	Code Handle	JAPAN	
8816	Code Handle	ANSI version for North America (8mm spindle)	8806
8818	Code Handle	Same as 8812 but turned rose 45°	
8810	Code Handle	Scandinavia Modul, Evo, Connect	8801
8811	Code Handle	Scandinavian residential 2014	8803
8820	Spacer ring		
8821	Battery cover incl. spring		

All variants are supplied in right or left handle version.

ASSA ABLOY Code Handle Door long plate

Electromechanical code handle for doors



Application

For easy and convenient locking/unlocking of interior door. For example, office doors, staffrooms, archives, back office, store applications.

Features

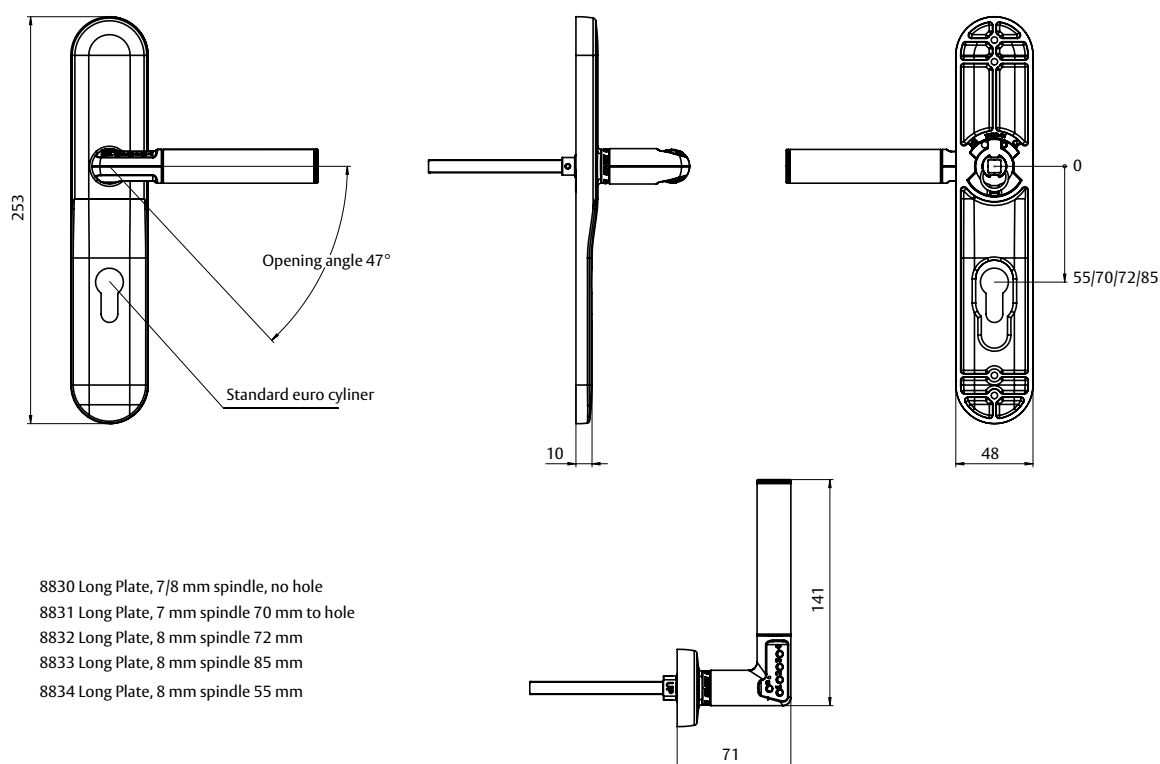
- "Access Filtering"
- Easy locking without keys
- Easy to fit, no cables
- No wiring
- Master code and up to 9 user codes
- Blocking function if wrong code is entered five times
- Auto or manual locking
- "Simplicity creates security"
- With or without Euro cylinder option

Function

- Indoor use only
- Fit most lock cases
- Two CR2, 3V lithium batteries in the outer handle, (approx. 60,000 operations)
- 4-6 digit code
- Material: brushed stainless steel and satin-chrome zinc
- Indication for battery change
- Tested to at least 100,000 operations, according to EN 1906
- Fire-tested according to EN 1363

ASSA ABLOY Code Handle Door long plate

Electromechanical code handle for doors



- 8830 Long Plate, 7/8 mm spindle, no hole
- 8831 Long Plate, 7 mm spindle 70 mm to hole
- 8832 Long Plate, 8 mm spindle 72 mm
- 8833 Long Plate, 8 mm spindle 85 mm
- 8834 Long Plate, 8 mm spindle 55 mm

Number	Description	Adopted for locks	Spindle/Keyhole
8830-8	Code Handle Long Plate 8 mm spindle W/O hole	EU	N/A
8830-7	Code Handle Long Plate 7 mm spindle W/O hole	FR	N/A
8831	Code Handle Long Plate 7 mm spindle 70 mm to cylinder centre	FR	70 mm
8832	Code Handle Long Plate 8 mm spindle 72 mm to cylinder centre	EU	72 mm
8833	Code Handle Long Plate 8 mm spindle 85 mm to cylinder centre	EU	85 mm
8834	Code Handle Long Plate 8 mm spindle 55 mm to cylinder centre	NL(EU)	55 mm
8821	Battery cover incl. spring		

All variants are supplied in a right- or left-handl version.
 All variants can be delivered as a version W/O code.
 Code Handle is also available in several Rose versions.

ASSA Code Handle Window

Electromechanical handle



7811 Long plate



7810 Short plate (normal)



7810 Short plate white (normal)

Application

- For windows and terrace/balcony doors to be locked from inside
- The product is patented
- The simplicity enhances security

Feature

- Meets mechanical requirements according to standards SS3620, class B*
- Lock with button and unlock with personal code
- Simple installation, no cables
- To be fitted with one-way screws (security screws)
- Enhanced child security

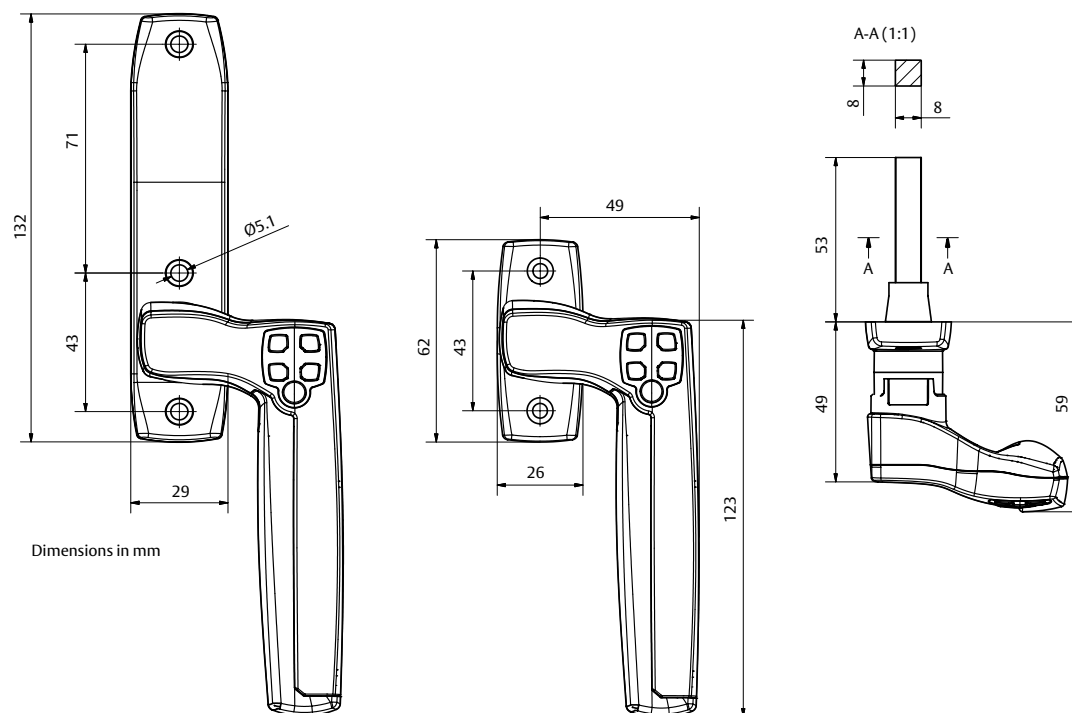
Function

- The Code Handle is unlocked with a 6-digit code to be based on numbers 1 to 4
- Separate lock button
- The code is not affected by voltage drop/battery change
- The code can be changed an unlimited number of times
- Operated by two replaceable CR2 lithium batteries (included with product)
- Battery lifetime is approximately 60,000 operations during normal operating conditions
- Indication of low batteries

* The current standard only covers tests with mechanical keys. Consequently, a certificate from SBSC cannot be obtained. The product is tested and fulfills the requirements regarding applicable areas.

ASSA Code Handle Window

Electromechanical handle



The product has an 8 mm square spindle, 53 mm length (also available in 100 mm length and/or 7 mm square spindle).

Available in satin chrome, bright chrome or white.

Model	Description	Executions
7810	Short plate (normal)	Right or left
7811	Long plate	Right or left
7801	Non-coded*, Short plate (normal)	Right or left
7802	Non-coded*, Long plate (normal)	Right or left

* Non-coded versions can be used for double doors.

Recommended finishes for hospital environments

Any environment where there are a lot of people present, there are considerations to systematically reduce the spread of bacteria and viruses. These are usually spread through contact surfaces such as door handles, elevator buttons, faucets, light switches, IV mounts etc.

In recent years there has been a widespread increase in multi-resistant bacteria, generally known as MRSA. In some countries the presence of these bacteria in hospital environments has reached such a high level that it is now very difficult to control.

In these types of environments there are high requirements on the architectural hardware. It should not only be easy to clean but also provide high durability against wear and tear. Stainless steel hardware from ASSA is a widely used solution.

ASSA offers a plating, Addion®, that is excellent for this type of application. Addion® is a completely unique, metallic antibacterial plating that is also nickel-free. Addion® ensures effective decomposition of infectious bacteria and micro-organisms as well as a high degree of durability. Consequently Addion® is ideally suited to any environment in which bacteria are easily spread such as in healthcare, schools and childcare facilities. Naturally, Addion®, cannot solve the problem of resistant bacteria on its own, but choosing fittings with the Addion® plating is a step in the right direction!



Do you wash your door handles as often as your hands?



ASSA finishes

Recommended for hospital environments

Addion 003 – antibacterial and allergy friendly

Addion® is an antibacterial and nickel-free finish that is suitable in environments where many people are in circulation and bacteria is easily spread. When bacteria are spread by hand and the items we touch, Addion-treated hardware is Addion-treated seizure a natural choice for reducing the risk of contamination. Electroplated alloy of copper, tin, zinc and silver.

Film thickness: 60-10 microns

Durability: Good durability

Usage: Outdoors and indoors. Has an antibacterial surface that eliminates bacteria on the surface

Allergy: Meets nickel regulation in accordance with EU Directive 94/27/EC

Antibacterial: Addion effectively reduces bacteria and is tested to JIS 2801:2000



Prion 001 – allergy friendly

Prion® is a nickel-free coating suitable for use by people with contact allergy. Prion has good durability and is suitable for both indoor and outdoor use in public and private environments. Electroplated alloy of copper, tin and zinc.

Film thickness: 60-10 microns

Durability: Good durability

Usage: Outdoors and indoors

Allergy: Meets nickel regulation in accordance with EU Directive 94/27/EC



Stainless steel 031

Our stainless steel lever handles, pull handles and accessories are ideal for modern public areas such as institutions and offices. The stainless material is highly resistant to corrosion and severe air pollutants and is recommended for use in environments with strict hygiene requirements.



Chrome 011

Polished chrome is a very durable surface suitable for both indoor and outdoor environments in doors with high opening frequency. Electroplated nickel and chromium on brass or steel.

Film thickness: Base material: brass

10-20 micron nickel

0.3 micron chromium

Base material: Steel

5-7 micron copper

10 micron matt nickel

10-20 micron bright nickel

0.3 micron chromium

Durability: Excellent durability

Usage: Outdoors and indoors



Brushed chrome 013

Brushed chrome is a very durable surface suitable for both indoor and outdoor environments in doors with high opening frequency. Electroplated nickel and chromium on brushed brass or steel.

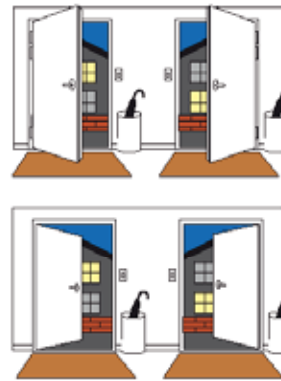


General information

Lock cases, split spindle and cylinder accessories

Lock cases

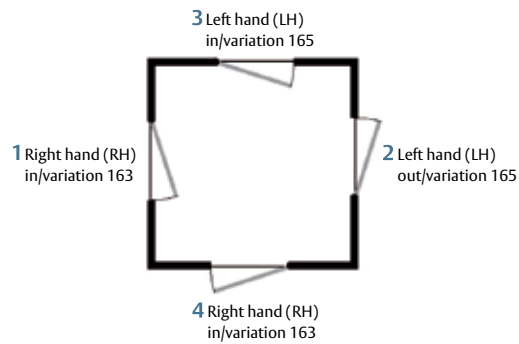
- Door handing is important to get the correct function, see picture and note that the side of the hinge knuckles indicates left- or right-hand fitting
- For modular lock. Right-handing is indicated with variation code 103 and left-handing with variation code 105
- Variation code ending with 7(XX7) indicates that the lock case is universal and can be used for both right-hand and left-hand fitting
- Strike plates are ordered separately
- Faceplates are 22 mm wide unless otherwise indicated
- Modular lock cases are always delivered with symmetrical face plate
- Available in different finishes



Split spindle

Split spindle function has four different options for door handing, see picture

- 1 Right-hand, inward-opening, variation code XX5 (eg 165)
- 2 Left-hand, inward-opening, variation code XX3 (eg 163)
- 3 Left-hand, outward-opening, variation code XX5 (eg 165)
- 4 Right-hand, outward-opening, variation code XX3 (eg 163)



Split spindle variations for each door entrance

Cylinder accessories

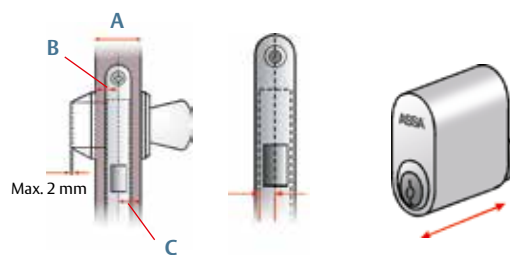
Standard cylinder rings – calculation of ring height

- Available both in sets and as separate products
- A-dim, B-dim and C-dim are important to identify the correct accessory, see information below
- Available in different finishes, see page about finishes

A measurement = Total door width (64 mm)

B measurement = Door level to centre lock case (32 mm)

C measurement = Inside door level to centre lock case



Length of cylinder (31 mm) + half of the thickness of the lock case (18 mm / 2 = 9 mm) = 40 mm

Cylinders

Available in different shapes to fit local standards if needed

Handles

Total door thickness to get correct lengths of spindle and screws must be stated when ordering

Cylinder + lock case	40 mm
B-measurement	-32 mm
Cylinder ring height	8 mm

For more information about ASSA healthcare solutions visit www.assa.se/se/site/assa/Solutions/

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

