



Opening Doors to Healthcare

Specification Guide

ASSA ABLOY

Experience a safer
and more open world

The global leader in access solutions

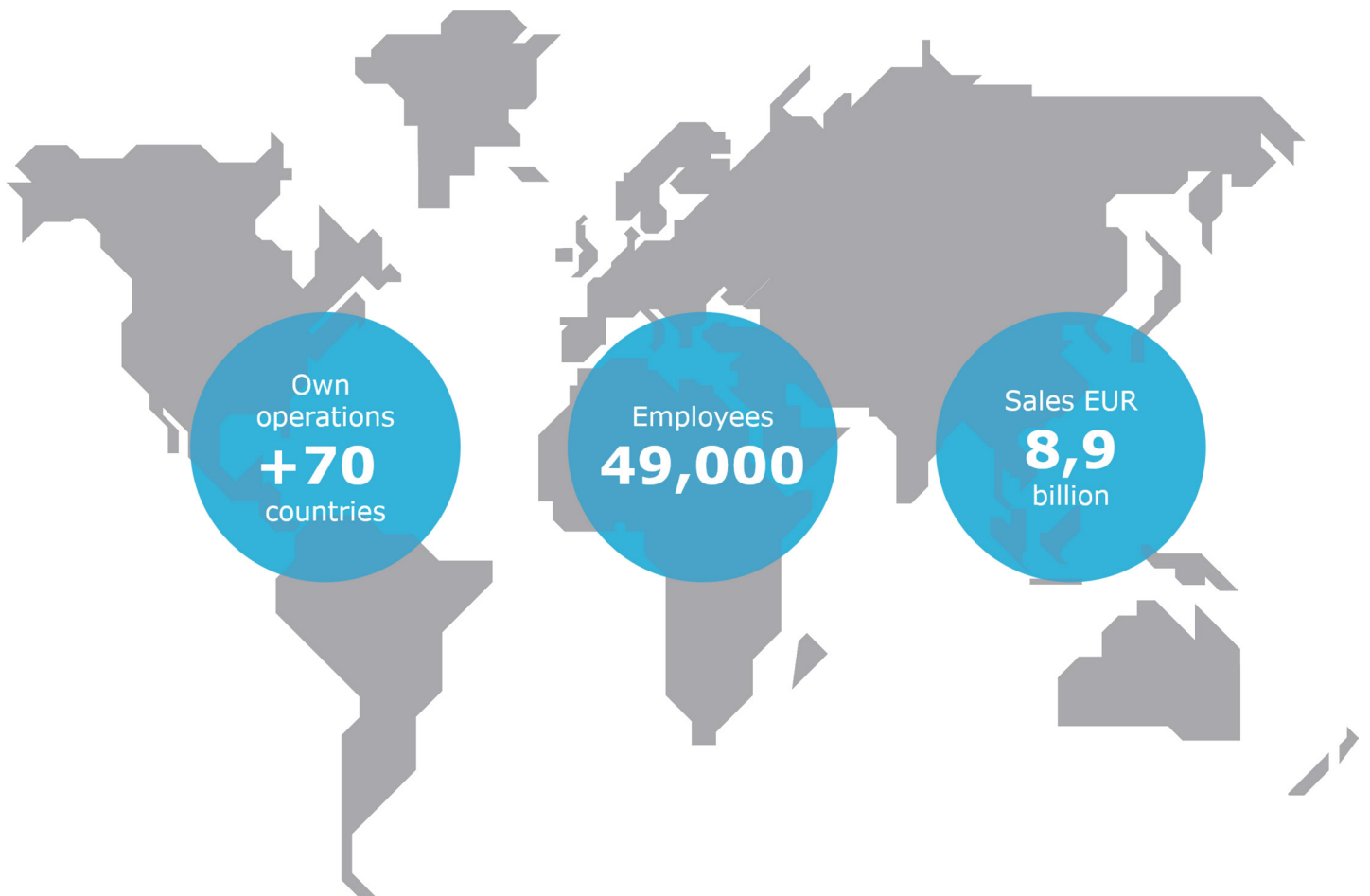
ASSA ABLOY is the global leader in access solutions and a market leader in most of Africa, Europe, North America, South America, China and Oceania.

ASSA ABLOY was formed in 1994 through the merger of ASSA in Sweden and ABLOY in Finland. Since then ASSA ABLOY has grown from a regional company to an international group with 49,000 employees and annual sales of EUR 8.9 billion.

ASSA ABLOY is the global leader in access solutions and offers mechanical and

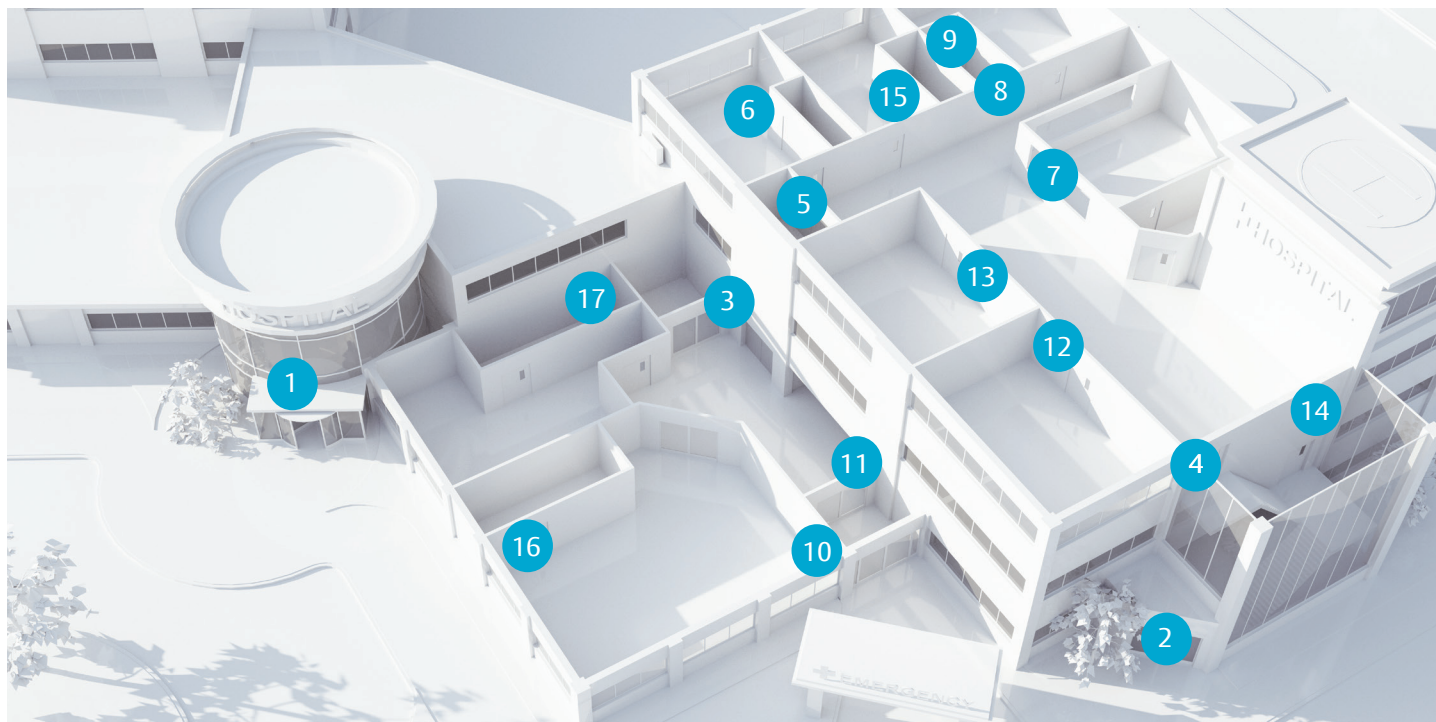
electromechanical locks, digital door locks, security doors, entrance automation, hotel security and secure identity solutions, primarily in identity and access management, as well as a number of other related products and services.

Using the latest technologies and tried-and-tested techniques, we are constantly developing innovative solutions that improve our customers' lives through greater security, safety and convenience.



Hospitals have a wide variety of external or internal entrance types, with different security requirements. It is therefore important, to have easy access for patients with limited mobility, and to also have safe egress in the event of a fire. In the below, we showcase a variety of solutions that we offer for access control and asset management.

Hospital Door Plan



- | | |
|---|--|
| 1. Main Entrance Door | 10. Public Bathroom Door |
| 2. Rear Entrance or Emergency Entrance door | 11. Bathroom Cubicle Doors |
| 3. Hermetic sliding door/Operating Room | 12. Corridor Doors |
| 4. Fire Exit Door | 13. Single Door to Consulting Rooms |
| 5. Internal Fire-Rated Doors | 14. Cleanroom / Medical Supplies Room Door |
| 6. Administration Office Doors | 15. X-Ray Room Door |
| 7. Ward Doors | 16. Pantry / Kitchen Room Doors |
| 8. Patient Room Door | 17. Asset Tracking |
| 9. Patient Bathroom Door | |

Symbols and abbreviations:



Anti-Bacterial coating



Fire Rated



Sustainable design & technology

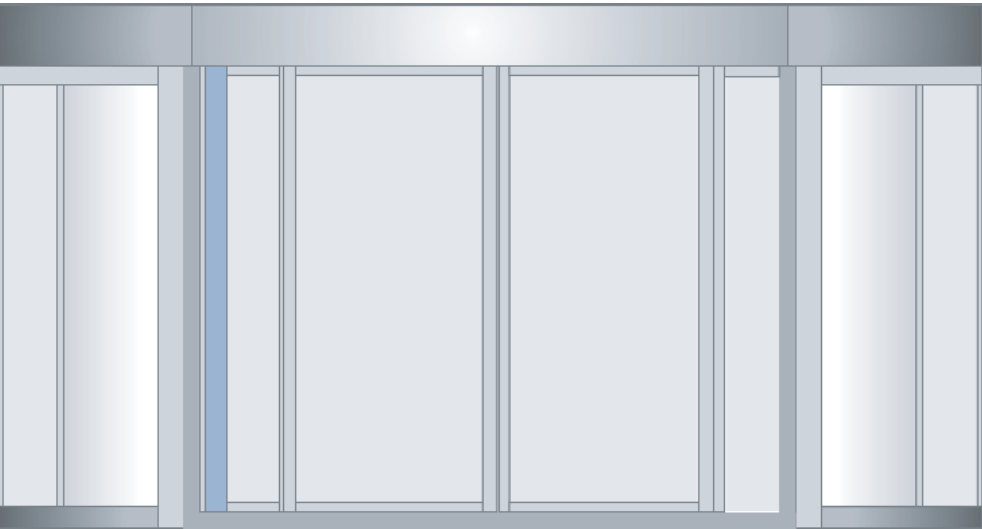
SD - Single Door

DD - Double door

VP - Vision Panel

Main Entrance
Revolving Door

Entrances are high traffic areas, and as the first point of contact, they also provide a first impression of the hospital to patients and visitors. These doors also need to offer ease of access and convenience to all users in a hospital - from staff to patients.



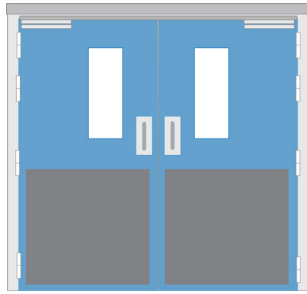
Product	Part Number	Quantity
Revolving Door	ASSA ABLOY Entrance Systems RD3	1

Rear Entrance and
Emergency Room



Product	Part Number	Quantity
Automatic Sliding Door Operator	ASSA ABLOY Entrance Systems SL500	1

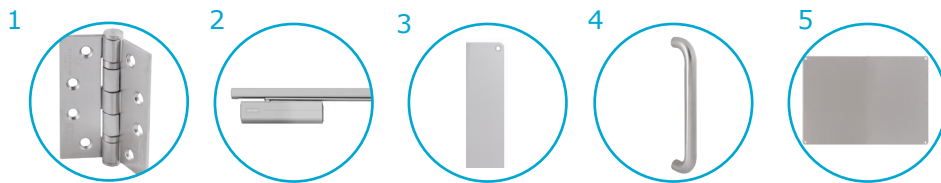
Ward Doors



Ward doors have lower security needs, but require easy opening for beds and wheelchairs. These doors are also frequently hit by beds, therefore require robust ironmongery.

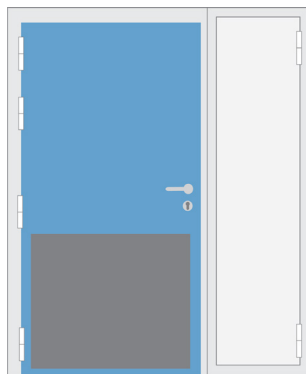
Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	8
2	Door Co-Ordinator	FD461-DC700	1
3	Push Plates	SS5023-456W	2
4	Pull Handles	5213BTSS	2
5	Kick Plates	SS5089-700W	4



* Door closer with Cam-Motion® technology and integrated Close-Motion® element for safe and noiseless closing

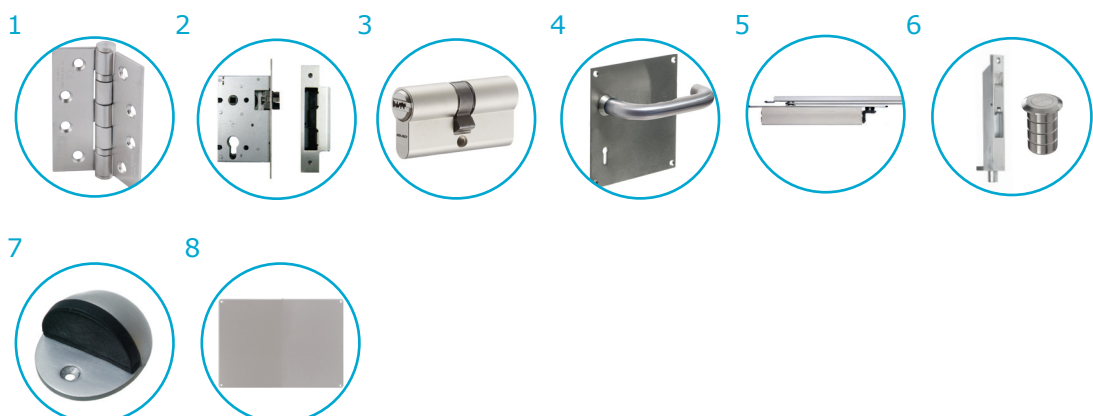
Patient Room Door



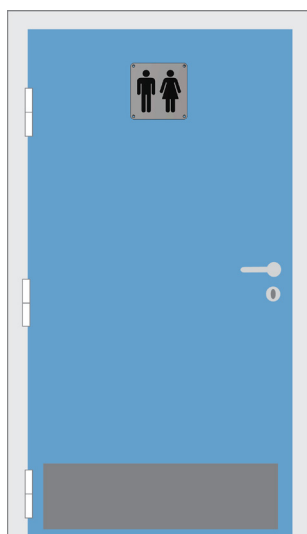
Patient room doors should be easily accessible to low mobility patients and staff. Doors with an extra half leaf, allow for wider opening to bring in big machinery or moving beds.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	6
2	Mortice Lock	L-2215-78SS/SL	1
3	Double Cylinder	CY110GMED3333SN	1
4	Handle	SS6166-05SS	1
5	Concealed Door Closer *	DC840HO	1
6	Flush Bolt / Dust Socket	AL8208-150AS/8852SC	2/1
7	Door Stopper	87001SS	1
8	Kick Plates	SS5089-700W	2

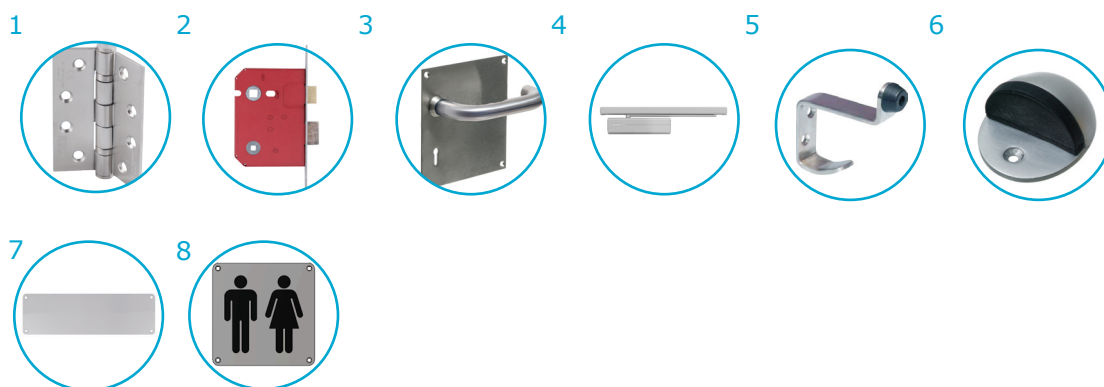


Patient Bathroom Door

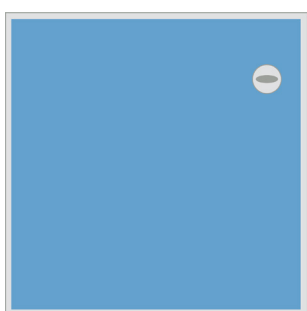


Patient bathroom doors should be fitted with ironmongery that will be easy for patients to use. In the event of an emergency inside the bathroom, the door should still be accessible from the outside.

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	3
2	Bathroom Mortice Lock	22314-76/5SS	1
3	Dove Handle	SS6166TR/TL-73SS	1
4	Overhead Door Closer	DC700DA	1
5	Hat and Coat Hook	SS8025SS	1
6	Door Stop	87001SS	1
7	Kick Plates	SS5089-300W	2
8	Signage	SS5066-06SSSE12	1



Patient / Medicine Cabinet Door



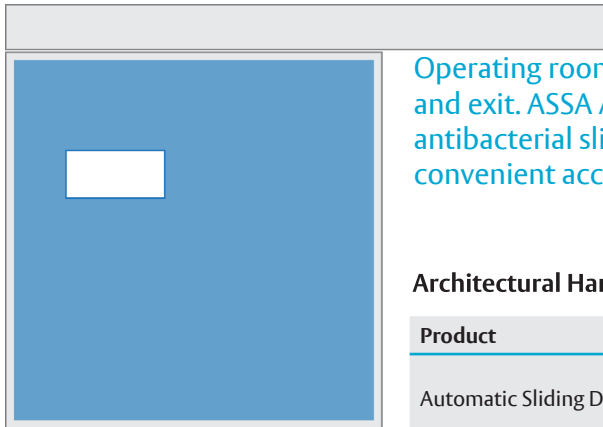
Cabinets allow patients to safely store their belongings and medicine, hence it's important to have it secured, or access controlled. ASSA ABLOY's Pin and Sense Locker locks, are ideal for this situation, because they are designed for stand-alone usage, where access cards will be provided to patients.

Architectural Hardware

No.	Product	Part Number	Quantity
1	Pin locker lock	493310000000	1
2	Sense Locker lock	493340000000	1



Operating Room Hermetic Sliding Door



Operating rooms need to make provision for a clean, easy entry and exit. ASSA ABLOY Entrance Systems' automatic and antibacterial sliding door operator, allow for easy and convenient access.

Architectural Hardware

Product	Part Number	Quantity
Automatic Sliding Door Operator	ASSA ABLOY Entrance Systems Hermetic	1

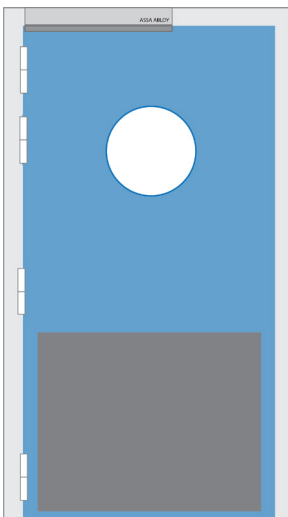


Anti-bacterial coating

ICU Room - Stainless Steel Door - Clear Operating up to 2500 cm

- ASSA ABLOY Entrance Systems Hermetic is especially designed for use in clean room environments, such as operating theatres
- Hygiene: The door seals the perimeter of the door frame, ensuring no air access
- Safety: If there is a person or object in the doorway, the operator is designed to sense the object, and stops the door closing. It will then re-engage and close at a slower speed.

Scrub Room Door



Scrub room doors need to automatically open in order to eliminate the need to touch the door. The door needs to be equipped with automatic door operators, that have opening and closing sensors. This will minimise the spread of bacteria or viruses.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	4
2	Automatic Door Operator	ASSA ABLOY Entrance Systems SW300	1
3	Kick Plate	SS5089-700W	2
4	Drop Down Seal	PS-HS76096SM	1

1



2



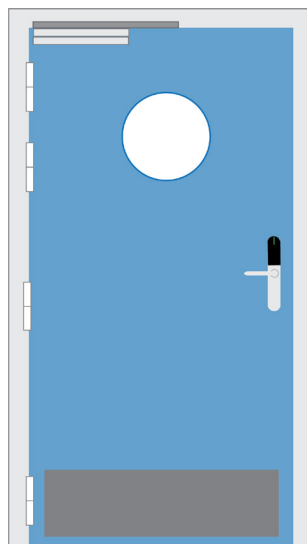
3



4



Sterile Room / Medical Supplies Door



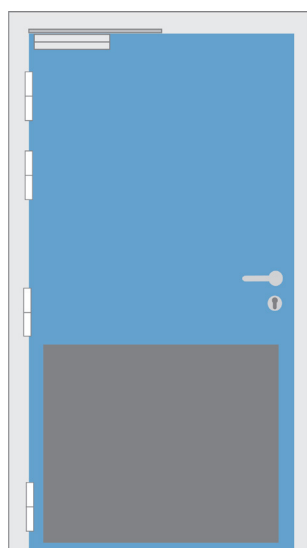
Certain areas like laboratory/blood storage areas, need a higher level of security and temperature control, with limited access requirements.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	4
2	Mortice Lock	L-23803-85SS	1
3	Euro Profile Double Cylinder	CY110GMED3333SN	1
4	Aperio wireless access-control handle	5001-198A17212	1
5	Overhead Door Closer	DC500	1
6	Drop Down Seal	PS-HS76096SM	1
7	Kick Plates	SS5089-200W	2
8	Door Stopper	87001SS	1
9	Planet No Hander	PS-NH1011	1



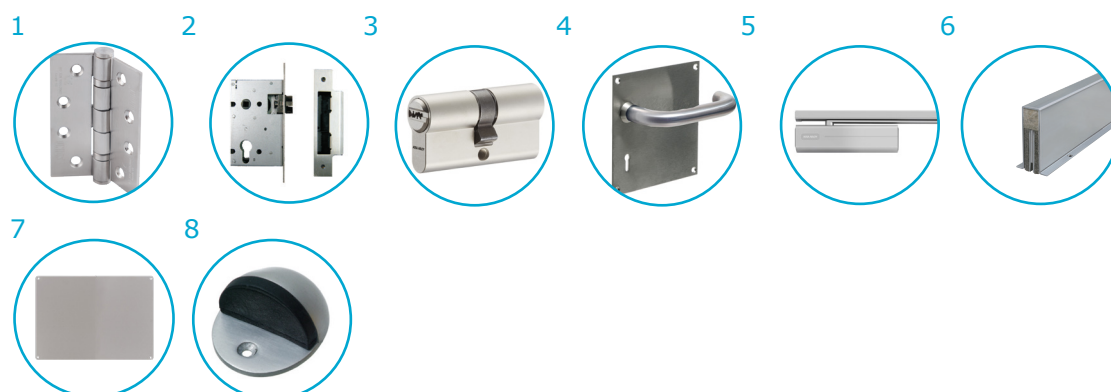
X-Ray Room



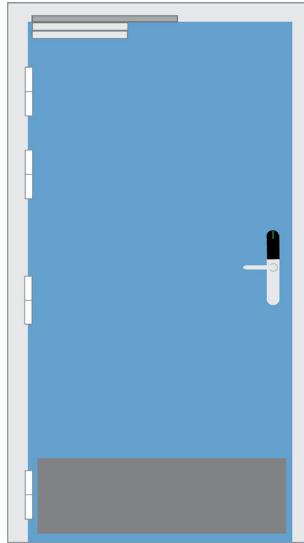
X-ray room doors need to remain locked to protect valuable radiography equipment. This is also important for protecting staff, and patient x-ray files.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	4
2	Mortice Lock	L-2215-78SS/SL	1
3	Double Cylinder	CY110GMED3333SN	1
4	Handle	SS6166-05SS	1
5	Overhead Door Closer	DC500	1
6	Drop Down Seal	PS-BL26020	1
7	Kick Plate	SS5089-700W	2
8	Door Stopper	87001SS	1



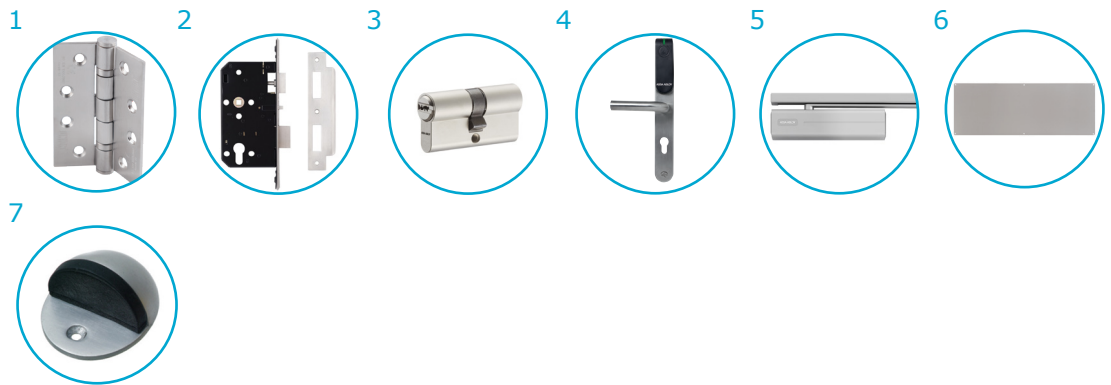
Administration Office



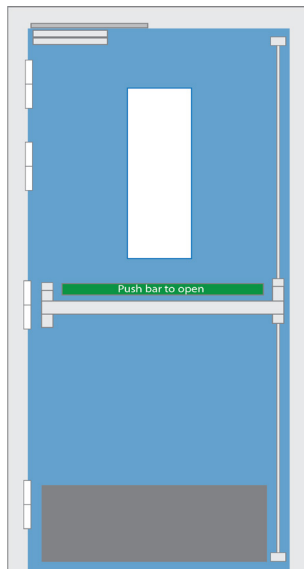
Administration office doors need high security requirements to protect sensitive information or items. Having an accessed controlled locking solution gives you the ability to manage who has authority to enter or exit the office.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	4
2	Mortice Lock	L-23803-85SS	1
3	Double Cylinder	CY110GMED3333SN	1
4	Aperio wireless access control handle	5001-198A17212	1
5	Overhead Door Closer	DC500	1
6	Kickplate	SS5089-200W	2
7	Door Stopper	87001SS	1



Fire Exit Door



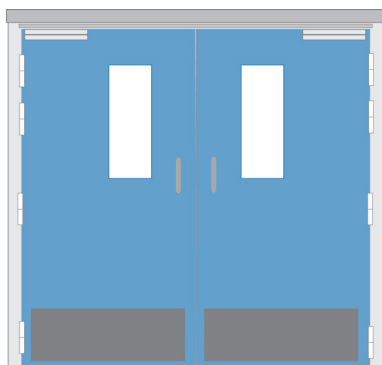
External fire exit doors need to facilitate easy exit in emergencies, while combined with strong security.

Architectural Hardware

No.	Product	Part Number	Quantity
1	Hinge	8352-100SS/2SP	4
2	Panic Exit Device	J-882TD-SIL	1
3	Outside Access Device	MMPS2SCPL	1
4	Single Cylinder	CY110GMES3310SN	1
5	Overhead Door Closer	DC300	1
6	Door Stopper	87001SS	1
7	Kickplate	SS5089-300W	1



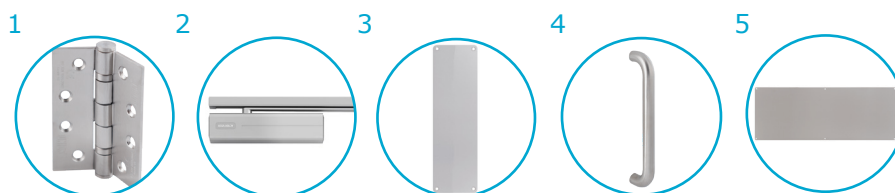
Internal Fire-Rated Door



Internal fire doors help to ensure fires are limited to specific sections in the building. This means they may need to include access control, and fire-rated ironmongery to ensure the integrity of the door is maintained.

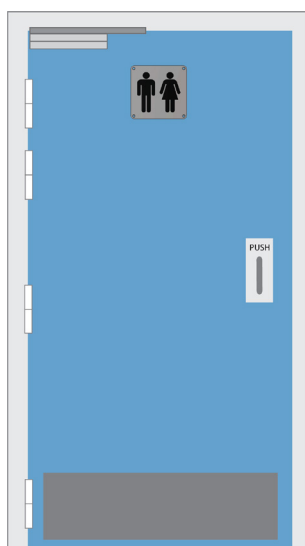
Architectural Hardware

No.	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	8
2	Door Co-ordinator*	FD464-DC700	1
3	Push Plates	SS5023-456W	2
4	Pull Handles	5213BTSS	2
5	Kick Plates	SS5089-300W	4



* Door closer with Cam-Motion® technology and integrated mechanical door coordinator

Public bathroom Doors



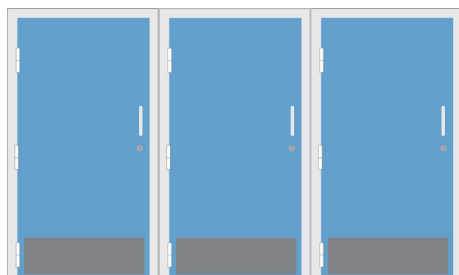
In addition to a clear signage, public bathroom doors need kickplates to protect the door from harsh user conditions.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	4
2	Mortice Lock	L-2115-78SS	1
3	Single Cylinder	CY110GMES3310SN	1
4	Handles	SS5D152X304R/L	1
5	Push Plates	SS5023L/R-05-304W	1
6	Overhead Door Closer	DC500	1
7	Kick Plates	SS5089-200W	2
8	Signage	SS5066-06SSSE10/11	1
9	Door Stopper	87001SS	1



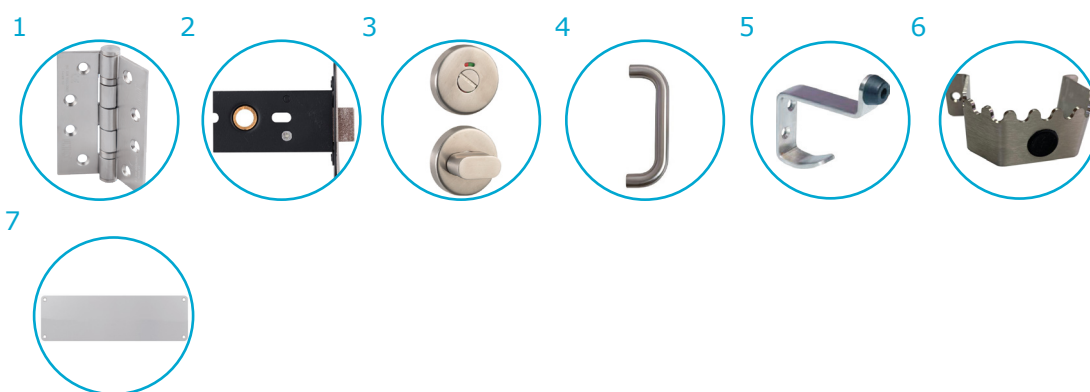
Bathroom Cubicle Doors



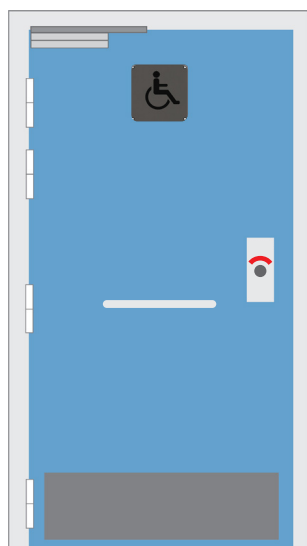
Easy access, and easy locking to maintain privacy when needed.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	3
2	Mortice Lock	SS2016SS	1
3	WC Turn Indicator	SS5305-73SS	1
4	Handle	PHD-BB-225-22SS	1
5	Hat and Coat Hook	SS8025SS	1
6	EASY Foot Pull	FP-60X104SS	1
7	Kick Plates	SS5089-200W	2



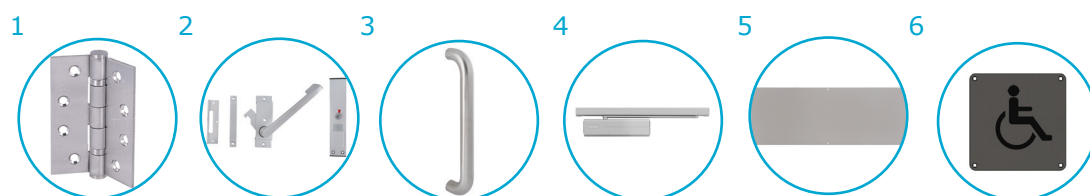
Bathroom doors for persons with disabilities



Easy access to bathroom doors for disabled people is a necessity, and there should also be provision for easy locking to maintain privacy when needed.

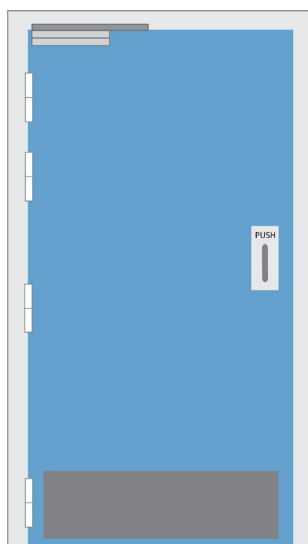
Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	4
2	Rim Lock	37651AS	1
3	Handles	PHD-BT-300-22SS	2
4	Overhead Door Closer	DC700DA	1
5	Kickplates	SS5089-300W	2
6	Signage	SS5066-06SSSE14	1



The specification for facilities for persons with disabilities is in accordance with the SANS10400 regulations

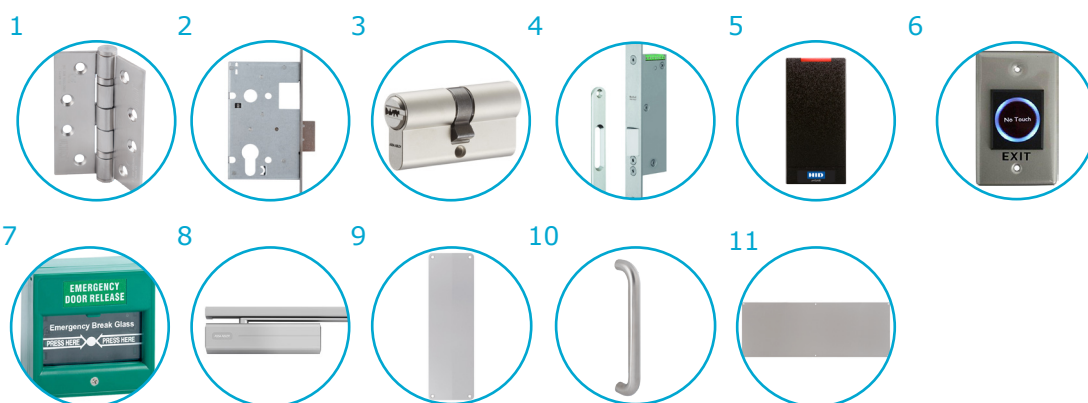
Single Door to Consulting Room areas



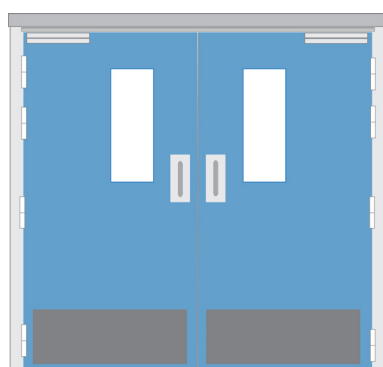
Doctors' private consulting rooms need to be equipped with a secure access control system to ensure privacy and safety.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	4
2	Mortice Lock	L-2115-78SS	1
3	Double Cylinder	CY110GMED3333SN	1
4	Electric Strike	EDS-351M.80N91	1
5	Card Reader	900PTNNEK00000	2
6	Touch-free Exit Button	EDS-K1-1	1
7	Emergency Break Glass	BGLASS-G	1
8	Overhead Door Closer	DC500	1
9	Push Plate	SS5023-456W	1
10	Pull Handle	5213BTSS	1
11	Kick Plates	SS5089-200W	2



Corridor Doors



Generally used to block off noise and weather elements. Corridor doors will very seldom need to be locked but should always be able to self close.

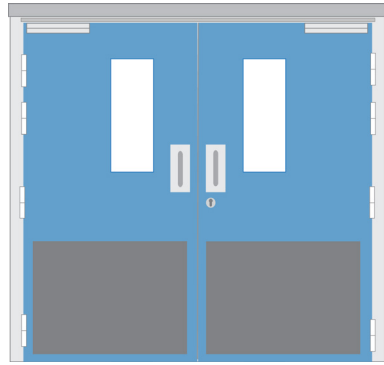
Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	8
2	Door Co-ordinator*	FD464-DC700	1
3	Push Plates	SS5023-456W	2
4	Pull Handles	5213BTSS	2
5	Kick Plates	SS5089-300W	4



* Door closer with Cam-Motion® technology and integrated mechanical door coordinator

Pantry, Kitchen and Laundry Areas



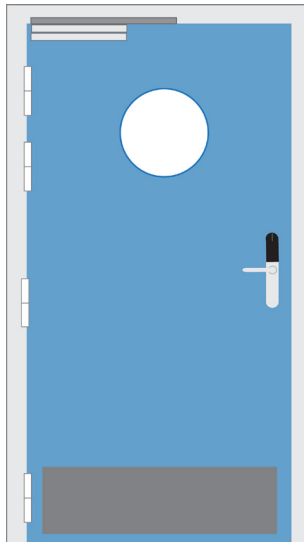
These areas have high traffic and trolley movement. The door needs to be fitted with robust ironmongery.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinge	JH-BB-STD-2-SS	8
2	Mortice Lock	L-2115-78SS	1
3	Double Cylinder	CY110GMED3333SN	1
4	Escutcheon	SS5305-05SS	1
5	Door Co-ordinator	FD462-DC700	1
6	Push Plates	SS5023-456W	2
7	Pull Handles	5213BTSS	2
8	Kick Plates	SS5089-700W	4
9	Door Stopper	87001SS	2
10	Flush Bolt / Dust Socket	AL8208-150AS/8825SC	2



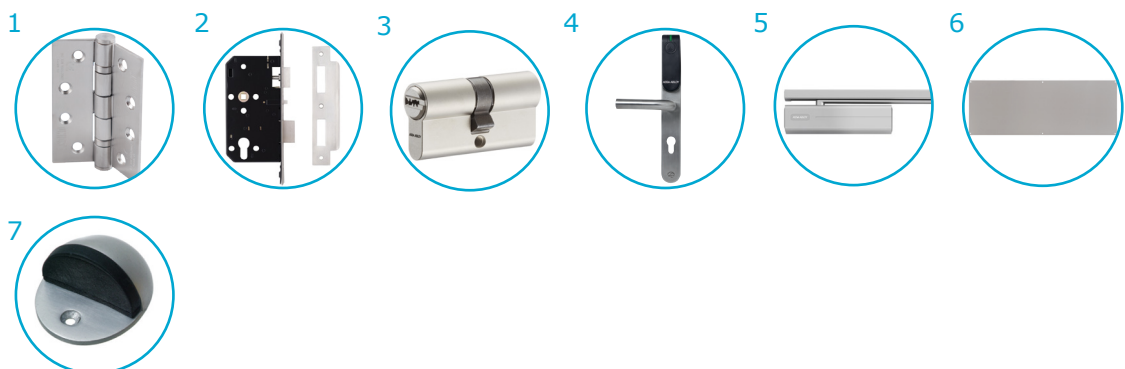
Medicine Storage Room



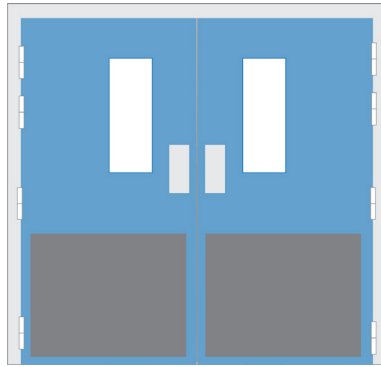
Medicine storage rooms keep sensitive and expensive medication. It is therefore important to have a highly controlled access solution in place.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	JH-BB-STD-2-SS	4
2	Mortice Lock	L-23803-85SS	1
3	Double Cylinder	CY110GMED3333SN	1
4	Aperio E100 wireless access control handle	5001-198A17212	1
5	Overhead Door Closer	DC500	1
6	Kick Plates	SS5089-300W	2
7	Door Stopper	87001SS	1



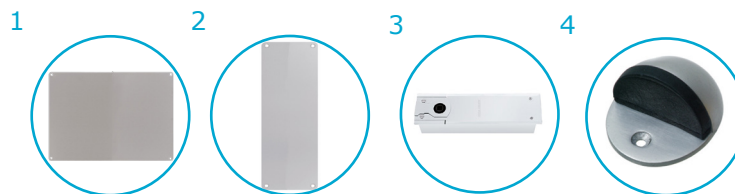
Mortuary



Mortuary doors need to allow for easy trolley and bed movement, and require robust ironmongery.

Architectural Hardware

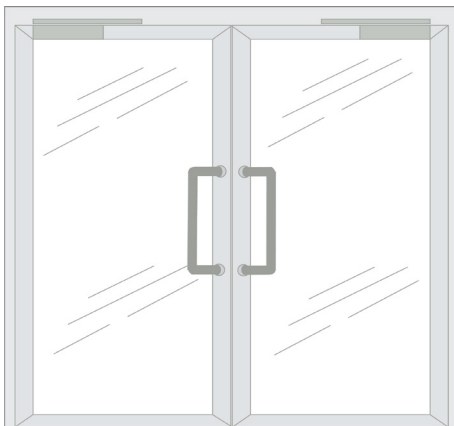
No	Product	Part Number	Quantity
1	Kick Plates	SS5089-300W	2
2	Push Plates	SS5023-456W	2
3	Floor Spring - Double Action	DC475DA	2
4	Door Stopper	87001SS	4



Floorspring sealant available for floorspring body housing removes gaps to reduce viruses and bacteria

Staff Areas

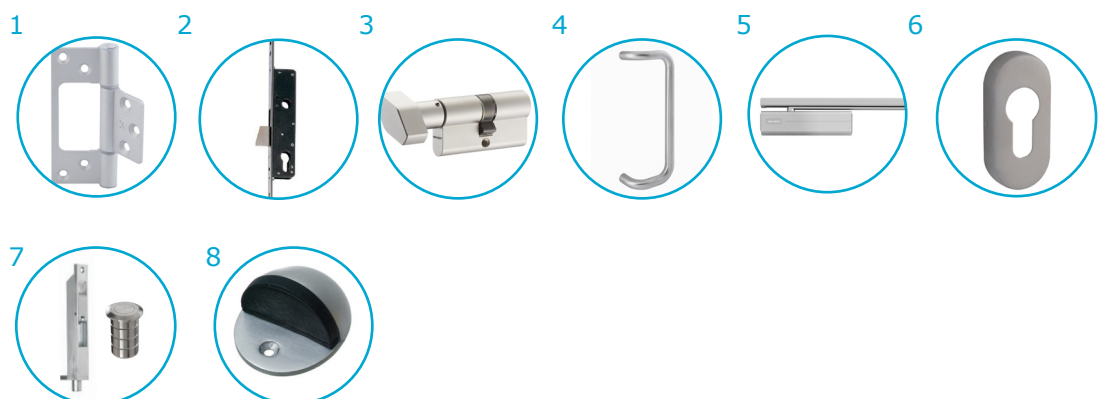
Canteen



These are common high traffic doors, used throughout the day. The door is sometimes kept open for ease of access, and therefore needs a door closer with a hold open, and self close function.

Architectural Hardware

No	Product	Part Number	Quantity
1	Hinges	8352-100SN	8
2	Deadlock	QD35X85MMSW-SS	1
3	Thumbturn Cylinder	CY110GMET3333SN	1
4	Pull Handle	5215BBSS	2
5	Door Closer	DC500HO	2
6	Escutcheon	PZ-05SS	1
7	Flush Bolt / Dust Socket	AL8208-180AS/MD / 8825SC	2/1
8	Door Stopper	87001SS	2



Aperio

ASSA ABLOY offers a broad range of access control options, from full systems incorporating Impro access control systems with Aperio® wireless door locks integrated to these.

Aperio® is a quick and easy to instal wireless access control solution that can be integrated with

your existing system. With a wide range of high security, certified battery-powered locks for many different applications Aperio® cuts energy costs, reduces maintenance and is the logical choice for businesses of all sizes looking to upgrade their access control systems



Hospital Security Challenges

The challenge for every security manager at every hospital is how to effectively provide public access while keeping patients and staff safe. Aperio® wireless access control is a cost-effective and easy

way to expand any healthcare security system, giving you centralised control with real-time management and auditing capabilities

5 steps to increase your security and save costs with Aperio

- Expand your new or existing hospital security system with wireless locks
- Connect more doors to your hospital's central access control system
- Install locks fast without cabling, bringing more control and audit trails
- Reduce energy use and maintenance costs with standard batteries
- Solve the lost key issue by using existing hospital access control smart-cards

Aperio® wireless access control offers many benefits over traditional healthcare security solutions for hospitals and other medical facilities. Hospitals throughout the world already benefit

from the cost, security and ease-of-use benefits of Aperio® wireless access control solutions for hospitals.

Check your compatibility in 60 seconds!

Download the free Compatibility Check PDF from ASSA ABLOY and you will find out if Aperio® wireless locks work seamlessly with your existing:

- Credentials
- Doors
- Rights management preferences
- Installed access control system



eCLIQ

ASSA ABLOY's eCLIQ offers an electromechanical solution, with an intelligent and programmable key. Access is time and person specific, and is easily operated by mobile phone or wall programming units.

The eCLIQ system allows for the intelligent key to operate both electronic cylinders as well as be cut as part of an existing ironmongery master key system.

eCLIQ is a purely electronic keying system developed by ASSA ABLOY. It is a cost effective solution which provides electronic access control without the need for wiring.

eCLIQ cylinders retrofit into existing doors and locks. eCLIQ offers the electronic features such as programmable access rights, time scheduling, audit trails, blocking of lost keys etc.

eCLIQ various hospital applications

- Internal doors such as administration offices
- Internal doors which need security from the outside and to be locked from inside the room when room is occupied. These can be rooms such as On Call room doors private boardroom doors
- Internal doors which require locking on one side.
- Cupboards, cabinets and lockers for staff and patients.
- External entrances such as gates, chains and electrical installations.



Key Benefits

- Electronic access control without wiring
- Audit trails
- Flexible access permissions
- IP67 rated keys
- IP67 rated padlock
- Easily replaced standard battery in the key



Our product offering includes cylinders, security and emergency locks, electric locking products, intelligent asset management systems, access control solutions, automatic operators,

architectural glass hardware and supporting architectural hardware such as door furniture, hinges, sliding hardware door closers and escape systems.

Lever Handles



Hinges



Cylinders



Door Stops



Single Pull Handle



Back to Back Pull Handle



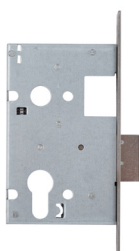
Electromagnetic Lock



Narrow Lock



Mortice Lock



Electro Mechanical lock



Code Handle



**Rack and pinion
Door closer**



**Overhead Door Closer
Cam Action**



Concealed Door Closer



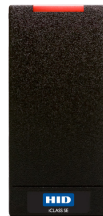
Floor Spring



Electric Strike



Card Reader



Touch Free Exit Button



Panic Exit Device - Push Bar



Panic Exit Device - Touch Bar



Typically in any hospital, there are high value assets which need to be accessible at all times, but with access limited and tracked to ensure accountability. Keys need to be available at all times, not left in someone's pocket, and if they are, ward nurses need to know who has the keys. Traka key management systems provide a system which allows for keys to be limited to only those who need them, limited to specific times of the day or

week, and the system shows who has the key upon request.

Traka asset management lockers allow for high value assets like barcode scanners, or patient valuables to be locked in a specific locker, with limited access. Access can be granted with a personal pin code or tag, allowing these to be used for staff or patients.

Key Management

- Internal doors such as administration offices
- Internal doors which need security from the outside and to be locked from inside the room when room is occupied. These can be rooms such as On Call room doors private boardroom doors
- Internal doors which require locking on one side.
- Cupboards, cabinets and lockers for staff and patients.
- External entrances such as gates, chains and electrical installations.



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

ASSA ABLOY

ASSA ABLOY (E.A) LTD
Dunga Close Off Dunga Road
Industrial Area, Nairobi
Kenya

+254729 356575
ke.info@assaabloy.com
www.assaabloy.com

Experience a safer
and more open world