



Complex solutions for  
healthcare facilities

dormakaba 



Master Key Systems



Door Hardware



Interior Glass Systems



Lodging systems



Safe Locks



Movable Walls



Entrance systems



Electronic Access & Data



Key Systems



Service

# WE OFFER COMPLEX SOLUTIONS FOR HEALTHCARE FACILITIES



01



## 01 Entrance doors

The revolving door systems and automatic sliding doors are perfectly suitable for installation in hospital entrance areas where wide passages should be provided. The doors are very flexible and suit all owners requirements.



02

## 02 Electronic access and data

Access control to ensure security, prevent from unauthorized access to pharmaceutical drugs and expensive equipment and protect both staff and patients. Healthcare facilities often have a high priority for security concerns.

# WE OFFER COMPLEX SOLUTIONS FOR HEALTHCARE FACILITIES



03



04

## 03 Door closers

High-quality and universal solution for all project application requirements.

## 04 Sliding door operators

Reliable and powerful operation in compact design with easy installation in all buildings and maintenance.



05

## 05 Mechanical key system

Mechanical locking is the easiest and most secure way to protect one property or premises. For the organization of healthcare facilities, dormakaba master key systems are an ideal solution and can be combined with electronic locks and access control systems.

# System solutions for healthcare facilities

Systems	Applicable places
Automatic and Revolving doors	Staff and patient entrance
Electronic Access & Data	Staff access
Master Key System	Staff access
Door closers	Fire-proof and smoke-proof doors, other regular doors
Anti-panic hardware for evacuation and emergency exits	Evacuation and emergency exits
Hold-open devices (magnets)	Fire-proof and smoke-proof doors
TMS evacuation and emergency systems management	Evacuation and emergency exits

# Healthcare facilities

## Entrance doors

Revolving doors:

KTV revolving door systems provide mobility and comfort for hospital staff and patient flow as well as energy costs saving for the building.

- three- or four-wing design
- manual operation, positioning, Servomatic or automatic drive system
- flexible options (night shields, air curtain, locks etc.)
- Inside diameter of door from 2000mm to 3400mm



# Healthcare facilities

## Entrance doors

### Automatic doors:

Automatic door systems are perfectly suitable for main entrances giving wide passages for intensive use.

The systems will suit either for main patients entrance or like a gate for emergency case.

- beautiful glass surfaces thanks to slender frames
- high stability and torsional rigidity
- excellent insulation features thanks to interlocking side seals and top and bottom seals
- very flexible and adaptable to project requirements



ST FLEX



TST FLEX



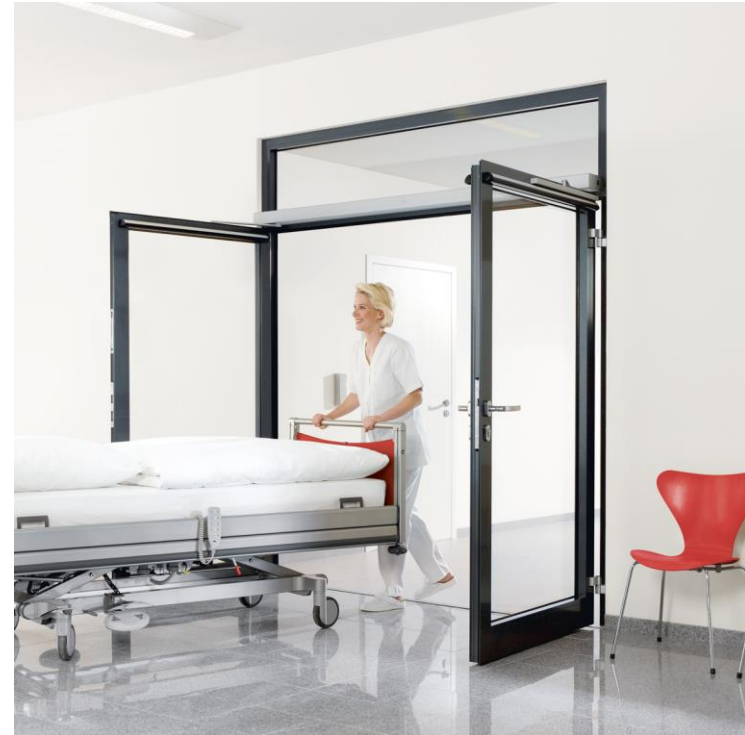
SST FLEX

# Healthcare facilities

## Swing door operator system

Framed door system used in conjunction with dormakaba's high quality Low Energy operator **ED 100/250 LE** to form a complete entrance. Ideal for barrier free access as pass doors, room access and main entrance doors. Suitable for use on emergency escape routes.

- Surface mounted
- Robust framed door leaves available as pairs of doors or single leaves
- Manual usage or assistance on demand via push pad or access control
- Available in a range of finishes
- Laminated or toughened safety glass
- Optional dormakaba Prosecure safety sensors



ED 100 / 250 LE Automatic Swing Door Operator System



# Healthcare facilities

## Sliding door operator systems for hermetic doors

The extremely low depth of the **ES 400 sliding door operator** for single and double-panel sliding doors facilitates installation in non-standard door frames, for example in hospitals or clinics.

Due to its simple and low-maintenance design, it guarantees easy handling and reliable operation as well as a long service life.

The ES 400 sliding door operator in combination with *hermetic sliding doors* is suitable for sterile halls like operation rooms and laboratories in hospitals or clinics. Why hermetic sliding doors?

- Minimum airflow when opening and closing the door
- During the opening takes up little space in the hallway
- Mechanically better in case of big dimensions doors
- Reduced risk of collision with the door during manipulation.

DORMA ES 400 System Sliding Door Operator



# Healthcare facilities

## Electronic data & access

Hospitals must be capable to restricting access to sensitive areas, prevent the spread of disease, to track and prevent the theft of vital healthcare equipment and drugs, as well as protect both staff and patients.

With modern access system **Kaba evolo** existing mechanical key systems can be co-managed with easy and complemented digital components.



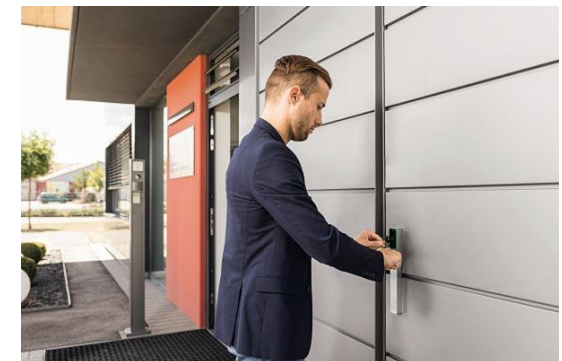
# Healthcare facilities

## Electronic data & access

**Evolo C – lever compact** is the first electronic door furniture solution which replaces a mechanical lever handle and is completely independent from the cylinder.

Almost any room can be organized, using this electronic solution. For example, access rights could be given to different user groups or individual persons for different rooms on different dates and at varying times, permanently or temporarily.

It is particularly suitable for drug warehouses and laboratories doors, and can be easily fitted either to timber or to glass doors.



### **Evolo C – lever pro**

The quality materials meet high standards in terms of robustness, weather resistance and security. The c-lever pro with TouchGo function detects when you are carrying an authorized transponder in your pocket, so you can enter the room by simply pressing the door handle as normal.

In addition, it offers protection against intrusion and fires, the c-lever pro can be used for emergency exits and escape routes.

C-lever pro is suitable for mounting on aluminum and timber doors.

# Healthcare facilities

## Electronic data & access

### Digital cylinder

The digital cylinder controls access to the right areas at the right times. The digital cylinder is suitable for any interior or weather-proofed exterior door from timber or aluminum.

The system is extremely easy to use: simply hold the badge up to the outside knob and the cylinder will emit a visual and acoustic signal to indicate whether access can be granted. On the same time it is a protected cylinder, even if the outside part will be destroyed, the premises will stay locked.



**Compact reader 91 10** with elegant high-gloss finish can be integrated easily into existing buildings.

Simply present either a card, key fob or key with RFID transponder clip to the reader and enter.

It can be used either as a reader to monitor the organization or for access control.

It is available in two designs:

- with a spacer frame for use indoors (surface wiring) or
- with rear panel and sealing pad for use in protected outdoor areas (flush-mounted wiring).

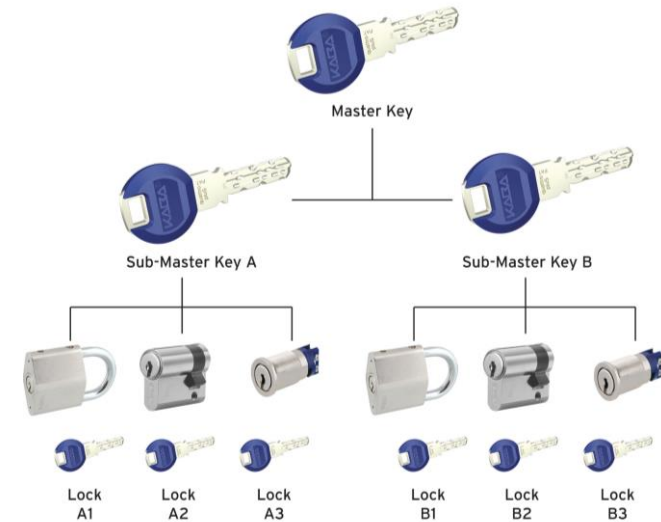


# Healthcare facilities

## Mechanical key system

**Master key systems** are a key plan whereby selected keys can open a number of pre-defined doors. It helps maintain better control. dormakaba master key systems are among the most secure in the world. Here is what you get with a dormakaba master key system:

- A system designed specifically for your needs
- A tailor-made key plan
- Integration into your access control system if required.



### Kaba penta - Perfection and Flexibility

The high security of Kaba penta is based on the sophisticated technology inside the cylinder lock. Kaba penta cylinder locks are one of the most secure on the market against the most common opening methods.



# Healthcare facilities

## Door closers

**Cam action door** closers system provides a high-quality architectural solution for all internal requirements.



### DORMA ITS 96

Optimum protection against vandalism thanks to the concealed installation  
Free-swing function from a door angle  $>0^\circ$ , resulting in virtually resistance-free opening of the doors in applications requiring passive fire protection.



### DORMA TS 97

Like all DORMA cam-action door closers, the TS 97 features the proven heartshaped cam for maximum user convenience based on minimum opening effort.

# Healthcare facilities

## Door closers



### DORMA TS 93

The TS 93 cam action door closer system sets new standards in user convenience in project applications.

- The TS 93 system is suitable for all fixing positions
- Harmonious appearance thanks to integral smoke detector
- proven DORMA technology of the heart-shaped cam ensures exceptional ease of opening



### DORMA TS 99

The TS 99 door closer in Contur design is a hold-open device with a free-swing function. In combination with a smoke detector system, the door closer can be used as a hold-open system for fire doors.

- Free-swing function from a door opening angle of  $>0^\circ$
- Resistance-free opening of doors in passive fire protection applications
- Maximum degree of user safety

# Healthcare facilities

## Emergency exits and escape routes



Dorma PHA 2500  
for timber doors



Dorma PHA 2500 for  
glass doors

### Anti-panic hardware

- Reliable systems provide security on escape routes and emergency exits
- High-quality appearance with no visible fixing screws
- Fully controlled, reliable closing
- Easy to install
- Readily adaptable to different door widths and heights
- Excellent range of accessories



Dorma PHB 3000



Dorma PHA 2000

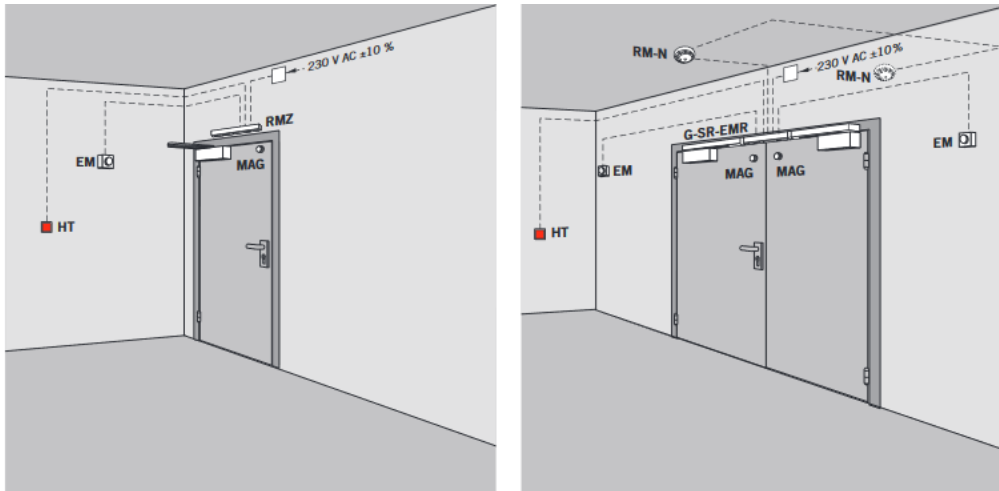
**Entrance:** The door will automatically open by pushing door anti-panic bar.

**Remote access:** The door will automatically open by receiving fire alarm signal



# Healthcare facilities

## Emergency exits and escape routes



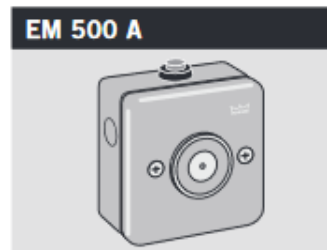
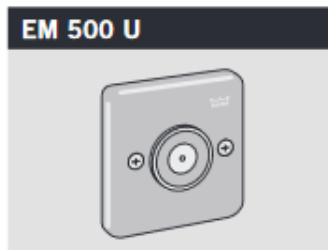
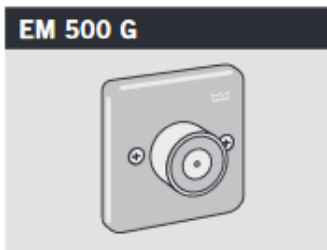
- EM = Electro-magnet
- HT = Manual release pushbutton
- MAG = Armature plate
- RM-N = Smoke detector (ceiling-mounted)
- RMZ = Smoke detector (lintel-mounted)
- G-SR-EMR = Door co-ordinator with integral smoke detector

### Hold-open devices (magnets)

#### Work

Normally, the doors stay in open mode, fixed by holding magnets.

In case of fire alarm signal receiving, the doors will automatically closed.



# Healthcare facilities

## Access management

In order to ensure additional safety, we recommend to use electromechanical locking devices, that meet the following criteria:

- Should ensure unblocking doors by pressing visible and recognizable button
- Electromechanical locking devices should unblock being under anti-load

Electrical systems that adding mechanical anti-panic systems should ensure:

- Information about door unit mode in real time
- Compatibility with sensors of fire or security systems
- Safety (when the power is turned off, the door unit should be unblocked immediately), the door should leave locked for outside entering through mechanical anti-panic system.

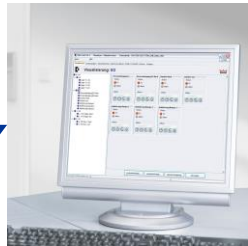
DORMA TMS BASIC SET



DORMA TV 500 / TV 500 DCW



TMS SOFTWARE



TMS CONTROL PANEL



# Healthcare facilities

## Interior Glass Systems

Wall connection profile



Wall connection profile, which is available in aluminum or stainless steel and with various surfaces, provides a clean, elegant finish of toughened glass constructions toward the wall, the ceiling and the floor. It ensures the secure hold of side parts or fanlights. Suitable for hospital meeting rooms.

Your benefits:

- Secure hold thanks to a load-bearing profile
- Elegant aluminum or stainless steel closure
- Surface: anodized aluminum and RAL colors as well as stainless steel

# References

Complex solutions for healthcare facilities



1

1. Medicover Hospital, Warsaw, Poland
2. Acibadem City Clinic Cancer Center, Sofia, Bulgaria
3. Mersin Entegre Sağlık Kampüsü
4. Acibadem City Clinic Tokuda Hospital, Sofia, Bulgaria
5. New Accident and Emergency Hospital of Navarra, Spain



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In case you need more  
information, please contact us!