

# FLOOR SPRING DORMA BTS 75 R LUNAX®



## SPECIFICATIONS

### Maximum leaf weight

160 kg

### Dimensions in mm

(Length × Width × Height)

275 × 82 × 50

### Closing force classification

(according to EN 1154)

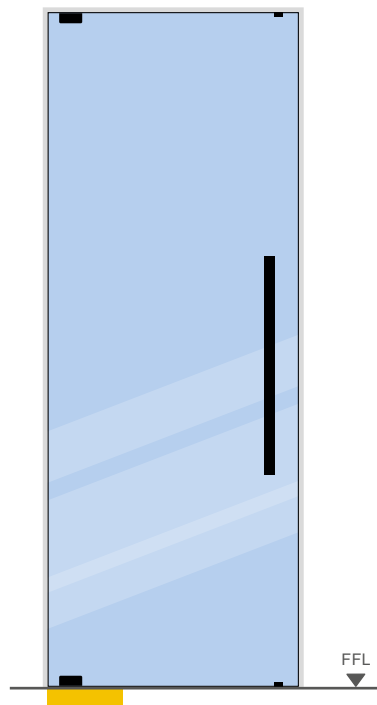
2 to 5 (adjustable)

## DESCRIPTION

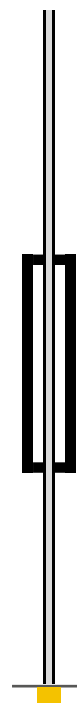
The floor spring DORMA BTS 75 R LUNAX® is designed for fire and smoke resistant doors with single or double action mechanism. Thanks to its advanced and compact design, this floor spring is characterized by a high level of adjustable spring strength to give the correct amount of closing force determined by door leaf dimensions and weight. The floor spring body is also highly adjustable in its position within floor spring's cement box by setting screws in width, length and height.

## FEATURES

- + Applicable for LUNAX® PORTA 30 & LUNAX® PORTA 60
- + Concealed housing
- + Stepless adjustable closing force (EN2 to EN5)
- + Easy system for adapting the door leaf position
- + Adjustable closing speed
  - Two independently adjustable closing ranges (approximately 175° – 15° and 15° – 0°)
- + Suitable for both single and double action doors
- + Mechanical backcheck at approximately 70°
  - Protects the wall and door from damage caused by excessively vigorous opening
- + No hold open function integrated (compatible with LUNAX® electromagnetic hold-open DORMA EM-Series)



FRONT



SIDE

# LUNAX® FLOOR SPRING DORMA BTS 80 EMB



## SPECIFICATIONS

**Maximum leaf weight**

300 kg

**Dimensions in mm**

(Length × Width × Height)

341 × 78 × 60

**Closing force classification**

(according to EN 1154)

4

**Operating voltage (VDC)**

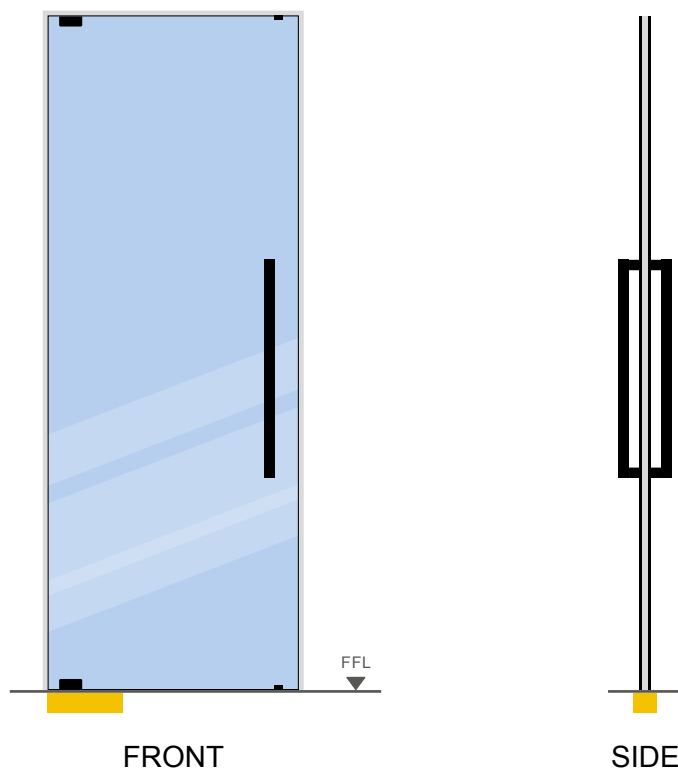
24

## DESCRIPTION

The DORMA BTS 80 EMB concealed floor spring provides an electromagnetic hydraulic hold open feature, allowing doors to self-close upon the interruption of an electrical current, yet remain functional in noncritical situations. This closer is specifically designed to be used in fire/life safety applications where the hold open is electrically controlled by a fire alarm contact. Its dual valve adjustment will provide controlled closing speed from approximately 180° opening range. DORMA BTS 80 EMB has mechanical backcheck at approximately 70° and will also provide adjustment within the cement case to allow lateral, longitudinal and vertical height adjustment.

## FEATURES

- + Concealed housing
- + Fixed spring strength (EN4)
- + Suitable for single and double action doors
- + Fully hydraulic control of the closing action from approximately 180°
- + Multipoint hold open between 70° and 180°
- + Door can be manually removed from hold open when current is applied to floor spring
- + When no current is applied, it acts as standard hydraulic floor spring
- + Loss of electrical current will close the door under full hydraulic control
- + Adjustable closing speed
  - Two adjustable closing ranges (approximately 180° – 0° and 7° – 0°)
- + Mechanical backcheck at approximately 70°
  - Protects the wall and door from damage caused by excessively vigorous opening
- + Unit includes 3 m of power cable



# LUNAX® FLOOR SPRING DORMA BTS 80 F



## SPECIFICATIONS

**Maximum leaf weight**

300 kg

**Dimensions in mm**

(Length × Width × Height)

341 × 78 × 60

**Closing force classification**

(according to EN 1154)

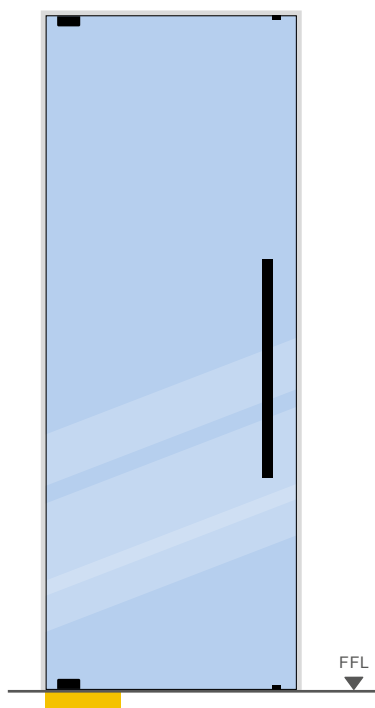
4

## DESCRIPTION

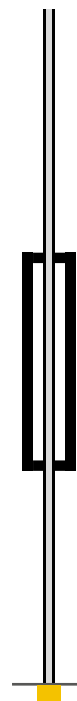
The DORMA BTS80 F is a floor spring that can be used for fire and smoke check doors in both single and double action applications. DORMA BTS80 F has fully hydraulic control of the closing action from 180°, adjustable latching action and backcheck and provides adjustment possibility within the cement case in lateral, longitudinal and vertical direction. Additionally, the concealed installation makes it the ideal floor spring for each application.

## FEATURES

- + Concealed housing
- + Fixed spring strength (EN 4)
- + Suitable for single and double action doors
- + Adjustable closing speed
  - Two adjustable closing ranges (approximately 180° – 70° and 7° – 0°)
- + Mechanical backcheck
  - Protects the wall and door from damage caused by excessively vigorous opening
- + No hold open function integrated (compatible with LUNAX® electromagnetic hold-open DORMA EM-Series)



FRONT



SIDE

# LUNAX® FLOOR SPRING GEZE TS 500 NV



## SPECIFICATIONS

### Maximum leaf weight

150 kg

### Dimensions in mm (Length × Width × Height)

278 × 82 × 42

### Closing force classification (according to EN 1154)

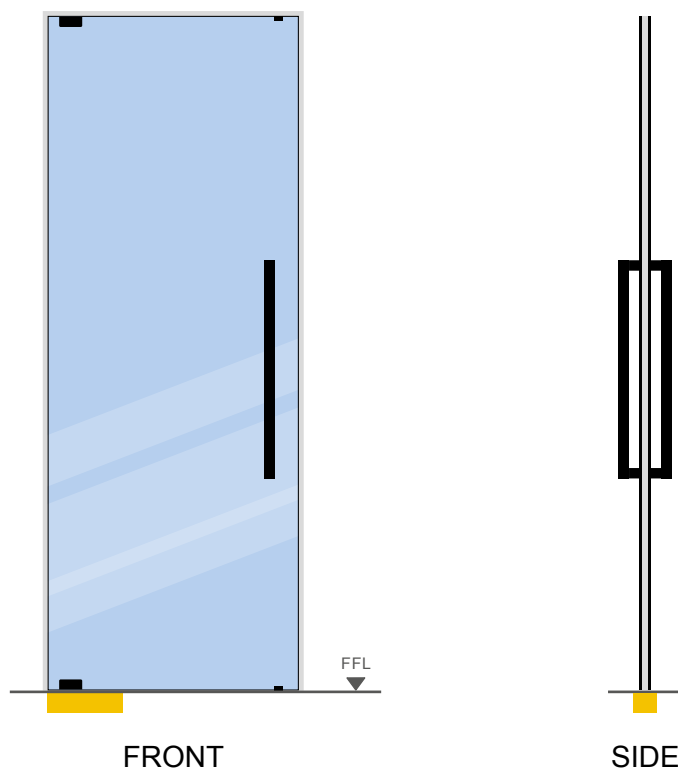
1 to 4 (adjustable)

## DESCRIPTION

GEZE TS 500 NV is a floor spring designed for all types of doors including single or double action doors. Combined hydraulic latching mechanism accelerates the door shortly before it arrives in closed position.

## FEATURES

- + Concealed housing
- + Suitable for both single and double action doors
- + Stepless adjustable closing force (EN1 to EN4)
- + Adjustable closing speed
  - Two independently adjustable closing ranges (approximately 180° – 15° and 15° – 0°)
- + Easy lateral and in-depth adjustment
- + Integrated backcheck
  - Protects the wall and door from damage caused by excessively vigorous opening
- + Safety valve against willful damage
- + No hold open function integrated (compatible with LUNAX® electromagnetic hold-open DORMA EM-Series)



# LUNAX® FLOOR SPRING GEZE TS 550 NV FP



## SPECIFICATIONS

### Maximum leaf weight

300 kg

### Dimensions in mm

(Length × Width × Height)

342 × 82 × 54

### Closing force classification

(according to EN 1154)

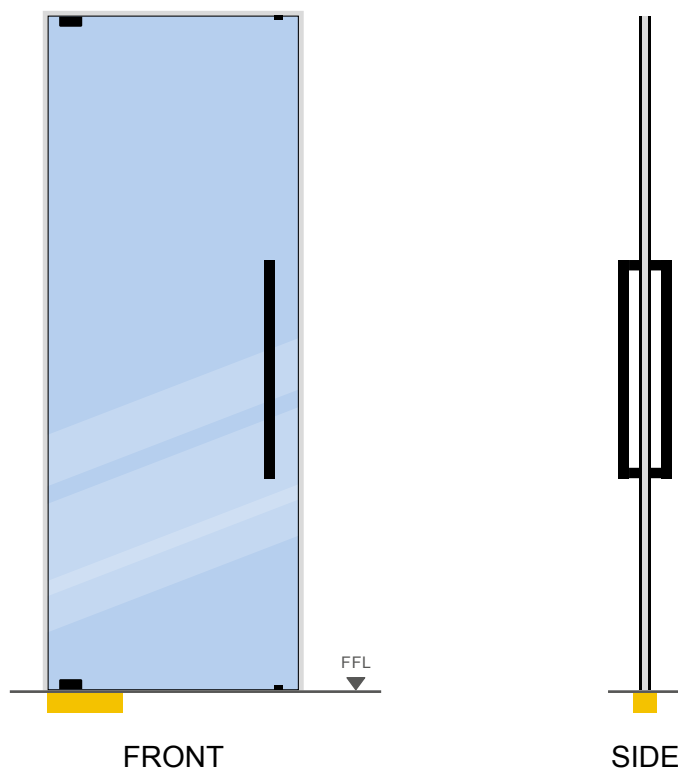
3 to 6 (adjustable)

## DESCRIPTION

The floor spring GEZE TS 550 NV FP has been specifically developed for use with double-action doors with maximum leaf weights of up to 300 kg. The closing force, speed and hydraulic latching action can be all adjusted. Latching action accelerates the door shortly before the closed position. The versatility and robust nature of the GEZE TS 550 NV FP means that it is ideal for use in areas that are used frequently, for example, office complexes.

## FEATURES

- + Concealed housing
- + Suitable for double action doors
- + Stepless adjustable closing force (EN3 to EN6)
- + Adjustable closing speed
  - Three independently adjustable closing ranges (approximately 170° – 80° and 80° – 15° and 15° – 0°)
- + Easy lateral and in-depth adjustments
- + Delayed closing adjustable to adapt the closing force of the door up to approximately 80° opening angle
- + Integrated backcheck
  - Protects the wall and door from damage caused by excessively vigorous opening
- + Hydraulic latching action which accelerates the door shortly before it is closed
- + No hold open function integrated (compatible with LUNAX® electromagnetic hold-open DORMA EM-Series)



# LUNAX® DOOR HANDLE MODEL K



## SPECIFICATIONS

### Function

Manual push / pull

### Material

Aluminium

### Standard finishing

RAL 9005 powder coating

### Length variants (in mm)

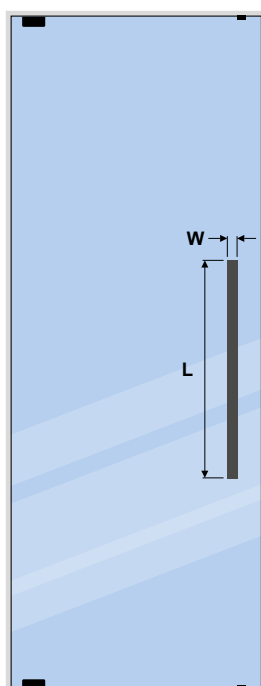
- 300
- 500
- 1190

## DESCRIPTION

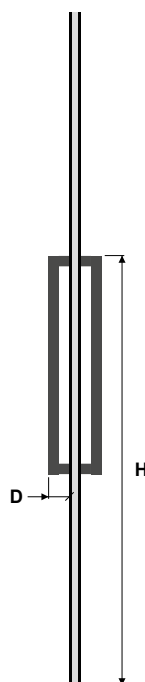
MODEL K is an iconic rectangular-shaped push & pull handle. The model is secured to two mounting pads which are glued on the surface of the door. The handle is highly suitable for offices, private uses and stairwells. The slim design of the MODEL K gives the LUNAX® door a touch of robust modern look.

## FEATURES

- + Lightweight material
- + High strength
- + Height of handle can be chosen
- + Custom paint on request



FRONT



SIDE

### DIMENSIONS

L = 300 / 500 / 1190 mm  
W = 25 mm  
D = 48 mm  
H = According to request

# LUNAX® DOOR HANDLE MODEL S



## SPECIFICATIONS

### Function

Manual push / pull

### Material

Steel

### Standard finishing

RAL 9005 powder coating

### Length variants (in mm)

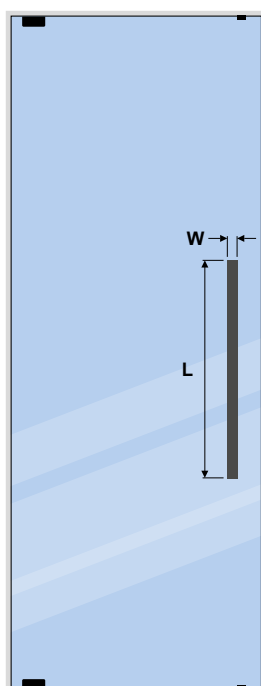
- 250
- 500
- 1190

## FEATURES

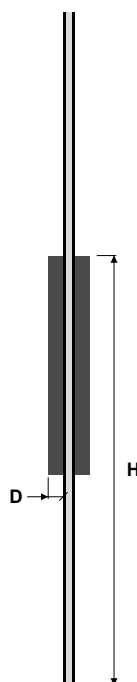
- + Solid single-component handle
- + Height of handle can be chosen
- + Custom paint on request

## DESCRIPTION

MODEL S is a compact rectangular-shaped push & pull handle. The model is glued on the surface of the door and is capable of heavy work. The handle is most applicable in high traffic passages like schools, public buildings, hospitals and assisted living centers.



FRONT



SIDE

### DIMENSIONS

L = 250 / 500 / 1190 mm  
W = 25 mm  
D = 28 mm  
H = According to request

# LUNAX® DOOR HANDLE MODEL T



## SPECIFICATIONS

### Function

Manual push / pull

### Material

Brushed stainless steel AISI 316

### Standard finishing

Satin finishing

### Variants in mm (Length x Diameter)

- 300 x 19
- 500 x 26
- 1200 x 26

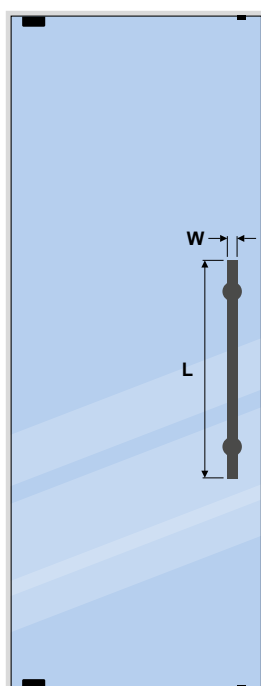
## FEATURES

- + High strength material
- + Height of handle can be chosen
- + Not sensitive to scratches
- + Passive surface & non-absorbent
- + Custom paint on request

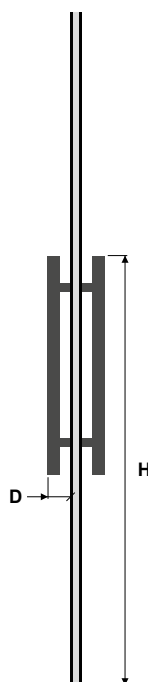


## DESCRIPTION

MODEL T is a cylinder-shaped push & pull handle. The model is secured to two mounting pads which are glued on the surface of the door. It has no sharp edges. The handle is highly wear-resistant and suitable for environments with higher hygienic demands due to its chemical resistance.



FRONT



SIDE

### DIMENSIONS

L = 300 / 500 / 1200 mm  
W (Ø) = 19 / 26 mm  
D = 62 / 83 mm  
H = According to request



# LUNAX® DOOR STOP



## SPECIFICATIONS

**Function**  
Block the door

**Dimensions in mm**  
(Length × Width × Height)  
35 × 35 × 17

**Material (cover)**  
Polymer

**Color**  
Black

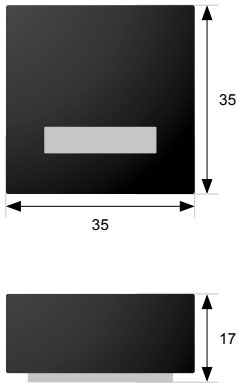
## DESCRIPTION

The door stop is a shake proof part which could safeguard the wall surface and avoid damages caused by crash. It can be also deployed to restrict the door swing angle partially, making the door leaf single acting instead of double acting.

## FEATURES

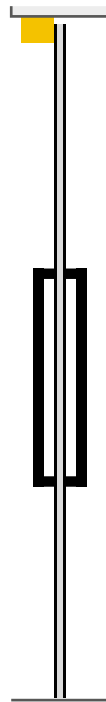
- + Easy to install
- + Durable in use

## DIMENSIONS

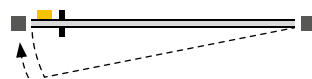


## LOCATION

**(A) To make the door single acting**

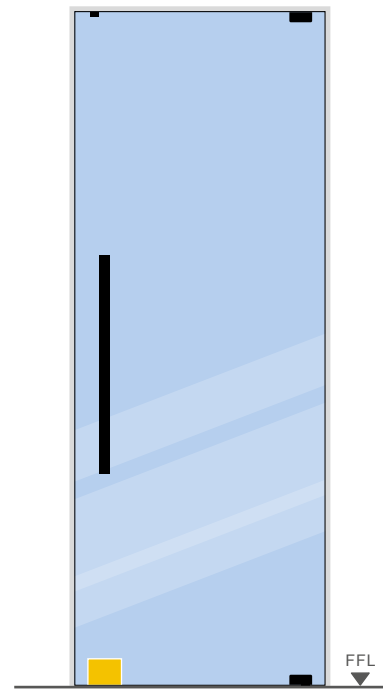


SIDE

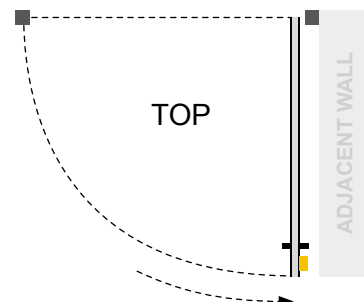


TOP

**(B) To safeguard the wall surface**

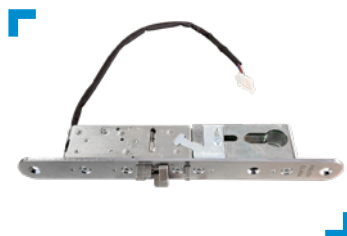


SIDE



TOP

# LUNAX® ELECTRICAL LOCK EL404



## SPECIFICATIONS

### Function

Electromechanical

### Front plate dimensions in mm

(Width x Length x Thickness)

25 x 251 x 3

### Cut out dimensions in mm

(Width x Length x Depth)

21 x 190 x 40 (please note the cut out drawing)

### Operating voltage (VDC)

12 - 24

### Current consumption (mA)

max. 550 (12 VDC)

idle 240 (12 VDC)

max. 270 (24 VDC)

idle 110 (24 VDC)

### Minimum door leaf width (mm)

520

## DESCRIPTION

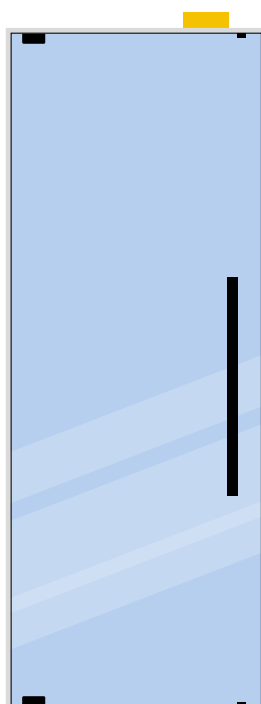
The EL404 is an electromechanical lock with a double action bolt construction for durable and easy use. It's unique symmetrical trigger bolt works perfectly in double acting Lunax fire doors when it is embedded into the frame. The lock is designed to be inserted in a pre-prepared cut-out.

This lock offers a cost-effective way of electric locking and can be controlled by a variety of control devices such as card readers, keypads or timers. The ideal solution for interior doors of business premises.

## FEATURES

- + Concealed in top frame
- + Applicable on single and double doorsets
- + Especially designed for double acting mechanism
- + Chrome plated forend
- + Appropriate cut-outs in Lunax graphite strips are foreseen
- + Fail unlocked
- + Frame cut-out drawings are available

## POSITION



FRONT



SIDE

# LUNAX® ELECTROMAGNETIC HOLD-OPEN DORMA EM-SERIES



## SPECIFICATIONS

### Function

Electromagnetic

**Holding force according to EN 1155 (N)**  
490

**Operating voltage (VDC)**  
24 ± 15%

**Power consumption (W)**  
1.5

**Temperature range**  
-20°C – 40°C

**Ingress Protection**  
IP 20

## DESCRIPTION

The DORMA EM 500 H + MAG-1 armature plate is an optional hold-open magnet solution which is capable to hold and release the door when the fire alarm is triggered. The EM 500 H hold-open magnet is equipped with pole reversal protection and integral test pushbutton for floor, ceiling and wall mounting.

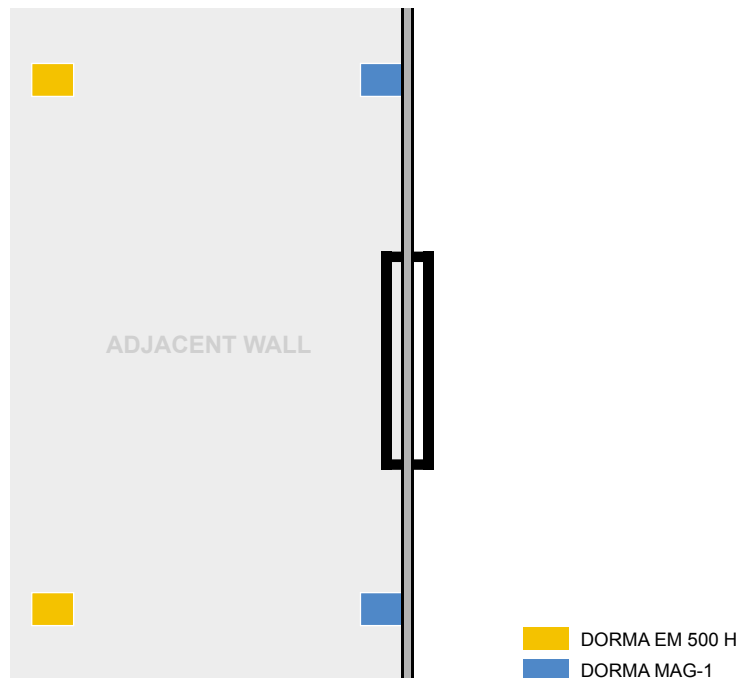
The MAG-1 armature plate glued on the door leaf has a uniform appearance suitable for a wide range of applications.

The cost-effective modular system offers the advantages of maximum flexibility.

## FEATURES

- + Single action mechanism
- + Quick and easy to fix
- + Flexibility in application (ceiling, wall and floor)
- + Armature plate will be delivered with the accessories and needs to be bonded on site
- + Prior installation of armature plate in factory is on request

## POSITION



SIDE

# LUNAX® ONE-WAY LOCK



## SPECIFICATIONS

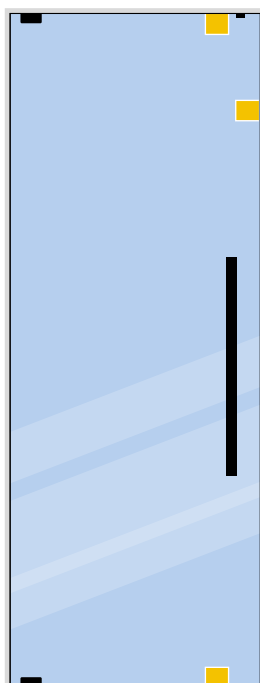
- Function**  
Mechanical
- Dimension in mm**  
(Length x Width x Height)  
77 x 72 x 45
- Fixation**  
Gluing
- Standard finishing**  
RAL 9005 powder coating

## DESCRIPTION

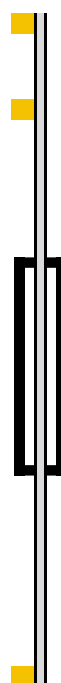
The One-way lock is a lock with a half euro profile cylinder. The lock pin with a cemented core is controlled with supplied keys. It is able to lock a fire door in the top or side frame or in the floor. No notches are required in the door leaf because the lock is glued on the surface of the door. The black finish makes the one-way lock a valuable option that fits the door concept. Single side accessibility to the lock and the associated risks in case of fire shall be noted regarding its application.

## FEATURES

- + Suitable to secure an environment from one side
- + Appropriate for end-of-day locking purposes in small offices or permanent locking of a door leaf
- + Can be glued on top, middle and bottom of the door leaf
- + Applicable on single door and double doors
- + More than one lock can be used
- + Custom colors of housing on request
- + Lock will be delivered with the accessories and needs to be bonded on site
- + Prior installation of lock in factory is on request



FRONT



SIDE

# LUNAX® MAGNETIC LOCK SEWOSY EF300CTC



## SPECIFICATIONS

### Function

Electromagnetic

### Holding force between magnet and armature plate (N)

3000

### Dimensions in mm

(Length × Width × Height)

**Magnet:** 250 × 26 × 48

**Armature plate:** 180 × 38 × 11

### Operating voltage (VDC)

12 or 24

### Power consumption (W)

6

### Ingress Protection

IP 42

### Temperature range

-10°C – +40°C

## DESCRIPTION

Delivered with its counter plate, this model of magnetic lock can be installed in multiple configurations. Powered with direct current, the magnetic lock has the advantage of making less noise.

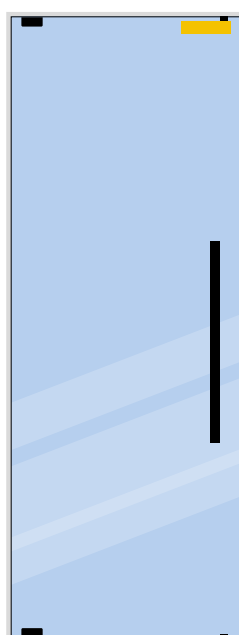
Thanks to the fail-safe mechanism designed in magnetic lock, it allows persons to pass through in cases that emergency evacuation required or power failure occurs.

Lunax magnetic lock EF300 has the capability to be connected to third party building management systems, keypads, push buttons, etc.

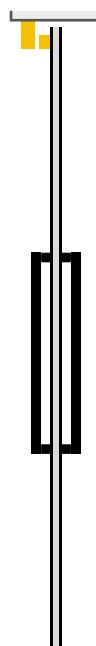
## FEATURES

- + Applicable on single and double doorsets
- + Only for single action door leaves
- + Operating relatively silent
- + Contact sensor
  - Door position sensor built-in to send information about the position of the door
- + Embedded light indicating the status of the lock
- + Fail-safe mechanism
- + Armature plate will be delivered with the accessories and needs to be bonded on-site
- + Prior installation of armature plate in factory is on request

## POSITION



FRONT



SIDE