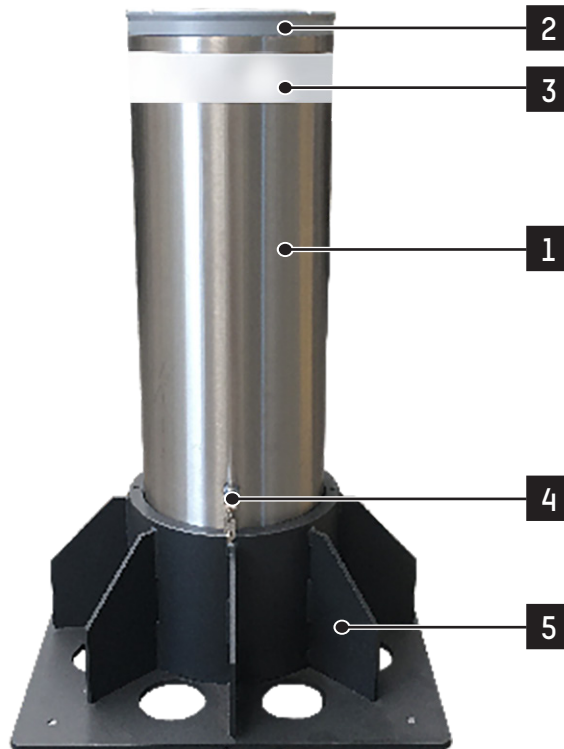


FR M30

Fiche technique

Rév. 04 • Mise à jour 01/2020



Non contractual illustration

The **FR M30** removable bollard are generally used to protect sensitive sites.

A removable bollard is a fixed bollard that can be easily moved.

In this way, when it is present, it can ensure the protection function of buildings and sites. And when there is no longer a need for physical protection, it is possible to remove this obstacle, which has negative effects on the circulation and aesthetics of tourist sites.

Requiring a shallow foundation depth, this bollard can be installed anywhere.

This high security removable bollard can be used to stop vehicles from 3.5 T at 64 km/h or trucks from 7.5 T at 48 km/h.

A cylinder is not dedicated and attached to a specific base. This allows flexibility in facility management and also reduces investment since it is possible to purchase and install more bases than cylinders.

The **FR M30** bollards are available in two different heights:

- FR M30_700 = 700 mm above ground height.
- FR M30_900 = 900 mm above ground height.

STANDARD DESCRIPTION

1. Painted (RAL 7016 - Anthracite grey) steel mobile obstacle (FE 370) diameter around 275 mm, 10 mm thick, with 2 security keys.
The obstacle is available in three finishing options*: painted steel, painted stainless steel or brushed stainless steel.
2. Anti-skid cast aluminium crown (RAL 9006 - White aluminium). Crown also available with light LEDs indicators (On the perimeter of the crown); flashing with or without warning given prior to the neighboring mobile obstacle operation.*
3. White reflective strip on the upper part of the obstacle.
4. Locking/unlocking system.
5. Obstacle supported on a thick steel section supporting structure, to seal into concrete.

** Product configuration to be specified when ordering.*



SURFACE PROTECTION

Treatment B:

- Sandblasting (SA 2,5);
- Anti-corrosion powder painting (80 µm);
- Polyester powder painting (80 µm).

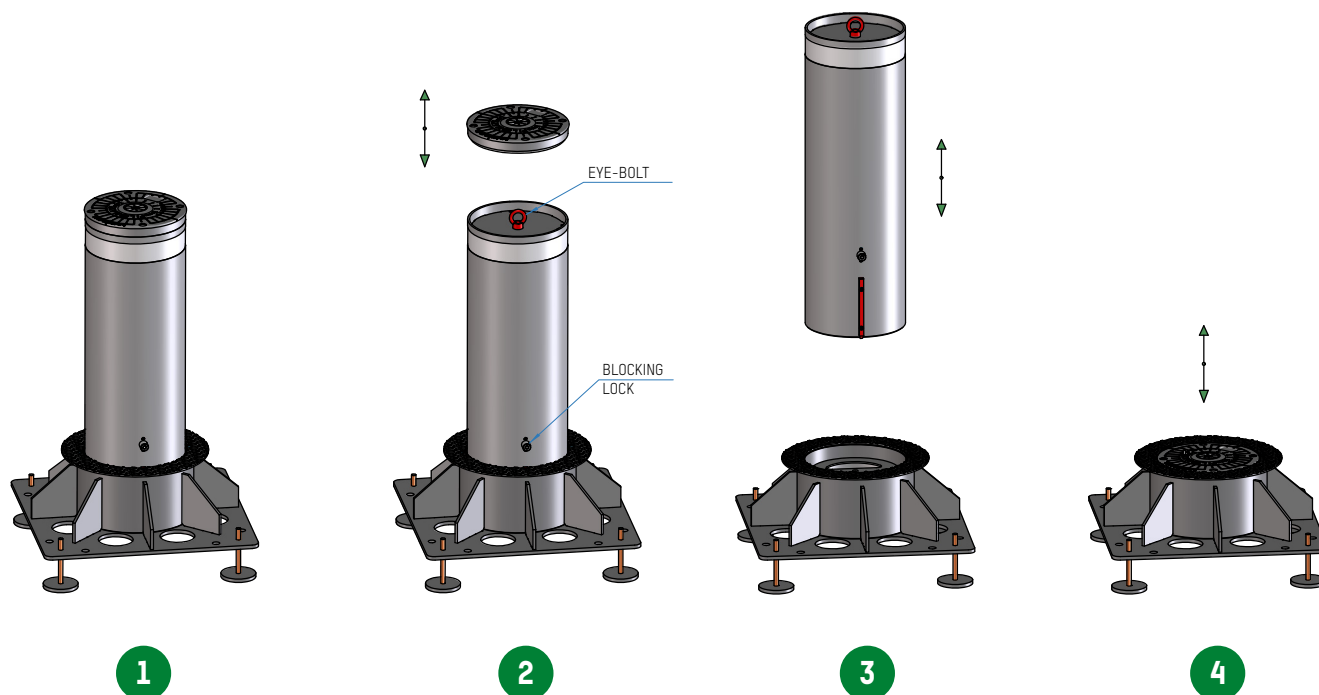
STANDARD TECHNICAL CHARACTERISTICS

Impacts resistance certifications		
In compliance with	ASTM M30 & DOS K4 PAS 68:2013 V/7500(N3)/48/90 IWA 14-1:2013 V/7200(N3C)/48/90	
Impact resistance (vehicles type)	3.5 T at 64 km/h 7.5 T at 48 km/h	
Impact resistance	750.000 joules	
Impact resistance (without deformation)	100.000 joules	
	FR M30_700	FR M30_900
Obstacle height	700 mm	900 mm
Weight	± 58 kg	± 73 kg
Excavation depth	± 360 mm	

WORK TO BE PROVIDED BY THE CUSTOMER

- Sealing of the frame in a concrete foundation.
(refer to installation drawing)
- Drainage or connection to main drainage.
- Power supply (if necessary).
- Electric connections with external peripherals (if necessary).

OPERATING PRINCIPLE

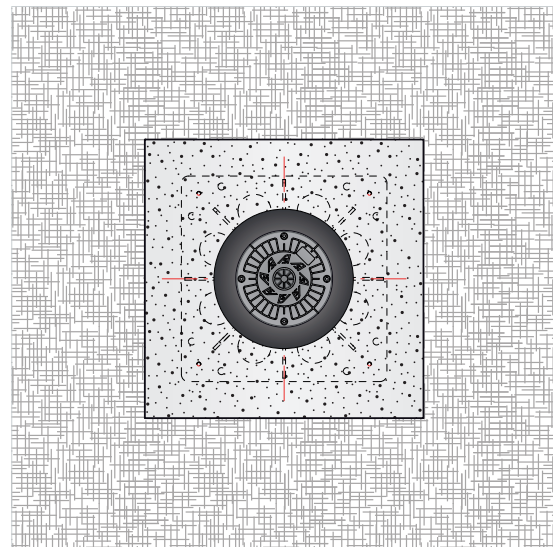
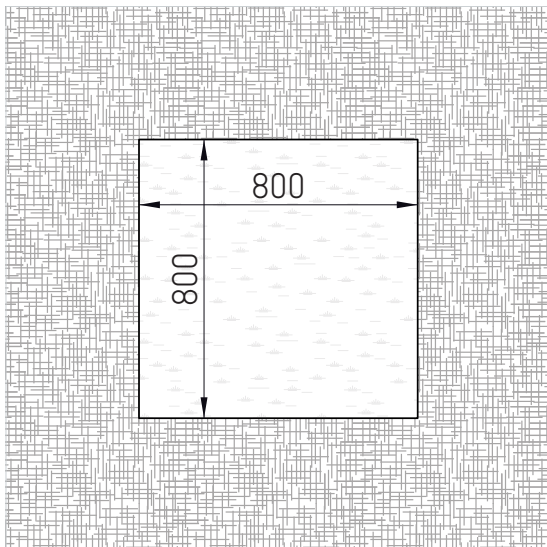
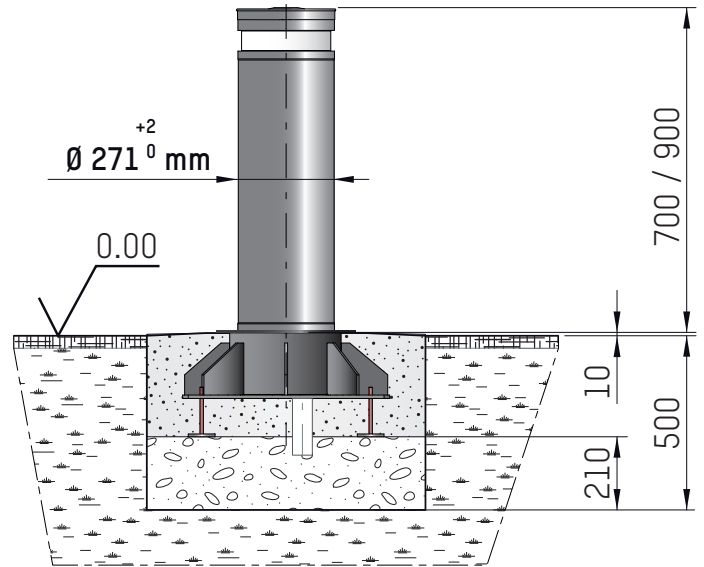
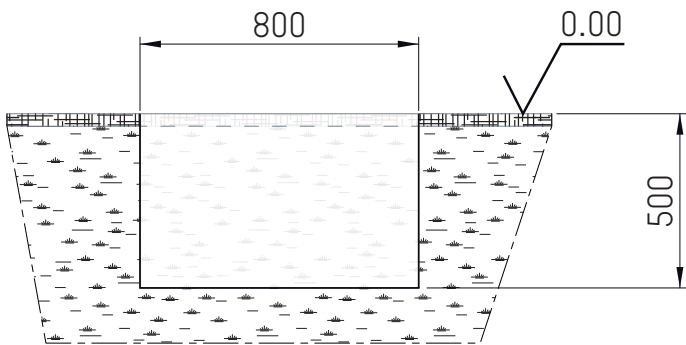


OPTIONAL

1. Square counter plate for base plate (with chemical anchors kit).
2. Additional head.
3. Removable cylinder finishing in AISI 316 brushed stainless steel.
4. Other RAL colour.
5. Anticorrosive treatment M of the cylinder: ⓘ
 - Sand blasting (SA 2,5);
 - Epoxy powder paint of ± 80 µm thick;
 - Two-component Epoxy paint of ± 80 µm thick;
 - Two-component polyurethane topcoat of ± 60 µm thick.
6. Additional secure key.
7. Secure lock with key.
8. Lights indicators (LEDs).
9. Power circuit for lights indicators (Max. 4).
10. Casing to be fixed (base plate).
11. Casing to be fixed (base plate) for version with LED strip light.

ⓘ Mandatory for an installation less than 2 km from a seaside or for intensive sandblasted pavement (3 months/year).

STANDARD DIMENSIONS (MM)



Headquarters

Avenue Mercator, 5
1300 Wavre - Belgium



✉ helpdesk.as@automatic-systems.com



☎ +32.(0)10.23.02.11



🌐 www.automatic-systems.com

