

FB C50

Technical datasheet

Rev. 00 • Update 04/2023

AS **AUTOMATIC**
SYSTEMS



(Non contractual illustration)

The **FB C50** Security fixed bollards are obstacles to the passage of vehicles which preserve freedom of access for pedestrians.

It can be used on any site where it is wished to create an obstacle to traffic without restricting pedestrian access.

In urban environments, it will also be perfectly adapted to the protection of shop windows and facades of buildings.

The **FB C50** bollards can be cemented to the ground (in this case, the breakout resistance depends on the depth to which it is anchored into the ground) or be secured in place by chemical anchors in places where you cannot make the same anchor, or where masonry is already completed.

In case of need or impact, only the unsealed fixed version **FB C50UN** can be removed.

Their association with automatic and manual bollards will be harmonious, due to their identical characteristics (dimensions, finishing, resistance).

The bollards are available in three different cylinder heights off the ground:

- **FB C50_500 / FB C50UN_500** : 500mm
- **FB C50_600 / FB C50UN_600** : 600mm
- **FB C50_800 / FB C50UN_800** : 800mm

DESCRIPTION

1. Fixed obstacle of 273 mm diameter, in powder coated steel or in stainless steel (AISI 304) 6 mm thick, or in stainless steel (AISI 316) 4 mm thick
The obstacle is available in three finishes*: powder coated steel, powder coated stainless steel or brushed stainless steel (standard powder coat colour: anthracite grey).
2. 30 mm thick casted powder coated aluminium upper crown. The upper crown is also available with LED lighting strip on the perimeter of the crown; flashing with or without warning before movement of the neighbouring terminal*.
3. 55 mm reflective strip with Automatic Systems logo.
4. Brackets in galvanized steel for anchoring in the ground.

FB C50_500-600-800 version

5. Cylinder base plate.

FB C50UN_500-600-800 version

6. Cast aluminium cover plate.
7. Synthetic seal at the base of the cylinder.
8. Counterframe resting on a bottom plate.

* Product configuration to be specified when ordering.



STANDARD TECHNICAL SPECIFICATION

Impacts resistance certifications:	
Rated in compliance with	PAS68:2013 V/3500(N1)/32/90 IWA 14-1:2013 V/3500(N1)/32/90 ASTM C50
Breakout resistance (type of vehicles)	1,5 T at 64 km/h 3,5 T at 32 km/h
Breakout resistance	250.000 joules
Impact resistance (without deformation)	40.000 joules

	FB C50_500	FB C50_600	FB C50_800
Obstacle height	500 mm	600 mm	800 mm
Weight incl. ground anchors	31 kg	35 kg	38 kg

	FB C50UN_500	FB C50UN_600	FB C50UN_800
Obstacle height	500 mm	600 mm	800 mm
Weight incl. ground anchors	61 kg	67 kg	76 kg

Foundation dimensions	900 x 900 mm
Foundation depth	300 mm
Cylinder diameter	273 mm
Ambient operating temperature	from -20°C to +70°C. (Please select the appropriate heating option to prevent the formation of ice)
IP rating	IP67
Complies with European standards	

OPTIONS

FOUNDATION BOX

- Square cover plate (for aesthetic floor finish similar to automatic bollards) with kit of anchors for chemical fixation.

AESTHETICS

- Finely structured matt powder coating (any RAL colour on request) of cylinder.
- Cylinder in brushed stainless steel AISI 316 instead of AISI 304 - Extra charge per bollard.
- Cylinder in powder coated knurled steel for bollards.
- Cylinder in knurled stainless steel for bollards.

CONTROL

- Lighting strip power supply (Max 8 units).*

* When semi-automatic / fixed bollards ordered alone w/o automatic bollards.

Note: For restrictions on options, please contact us.

WORKS TO BE PROVIDED BY THE CUSTOMER

- Embedding casing in a concrete foundation.
- Power supply (if LED lighting strip configuration is required).
- Drainage or connection to mains drainage.

Note: Follow the installation plan.

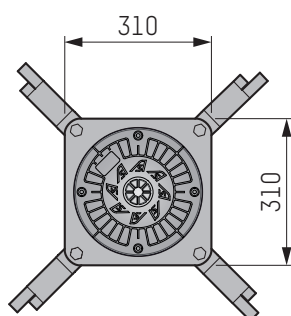
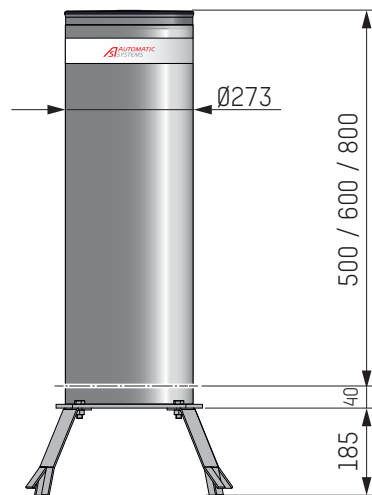
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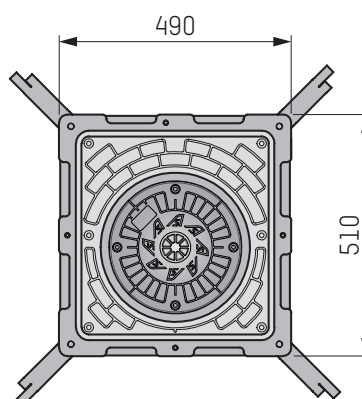
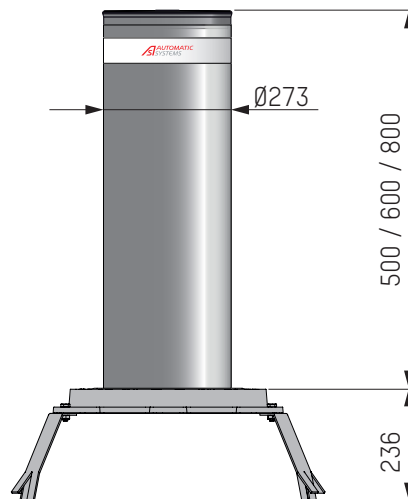
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STANDARD DIMENSIONS

FB C50



FB C50UN



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