



Non-contractual illustration

The bollards are obstacles to the passage of vehicles which preserve freedom of access for pedestrians.

With a major dissuasive effect in upright position, they are designed for the following among others:

- Security and access control for sensitive sites.
- Management of pedestrian zones and urban circulation, forming a dissuasive marker for vehicles which poses no restrictions for pedestrians.
- Protection of building windows and façades.

The bollards also offer the advantage of totally disappearing in lowered position so as to free up access for vehicles when necessary.

In this framework, the MB50 manual bollard is the right choice for configurations with occasional vehicle access.

The lifting of the bollard takes place via a gas jack, and is lowered by applying pressure with the foot. It is kept in raised and lowered position by a key locking system.

Description

1. A mobile obstacle comprising a steel cylinder of diameter 275 mm and thickness 6 mm.
The obstacle is maintained in raised or low position by a lock.
2. Upper ring in aluminium sheeting.
3. The key lock for unlocking of the mobile obstacle.
4. Simple action (nitrogen) gas jack activating the lifting up of the mobile obstacle.
The lowering of the obstacle takes place by manual pushing.
5. 56 mm white reflective band.
6. Galvanised steel casing to be sealed in a concrete foundation.
7. Cast aluminium cover plate, guaranteeing a flat rolling surface.
8. Carrying structure in strong steel sections.
9. Synthetic watertight joint, also avoiding the rubbing of the obstacle against the fixed section.
10. Mobile obstacle is held vertically and strengthened by means of a thick steel collar connected to the supporting structure and a nylon bush built-in to the obstacle and sliding along the central jack.
11. Obstacle stopped in high position by mechanical stop.
12. Steel/rubber bearings support the obstacle when in the retracted position, allowing it to withstand the passage of heavy vehicles (max. 25T).

Surface Protection

Bollard: hot galvanization + two-component epoxy top coating:
Mobile obstacle: grey anthracite RAL 7021.
Crown + cover plate: light grey RAL 9006.

Casing: hot galvanization.

Options

- Mobile obstacle in AISI 304 brushed stainless steel.
- Paint of another RAL color for the mobile obstacle.
- Antirust crown for the perimeter of the cover plate.

Technical characteristics

- Height above ground: 500 mm.
- Lifting speed: 20 cm/s.
- Frequency of use > 1500 movements a day.
- MCBF (average number of cycles between failures), following the recommended maintenance: 2,000,000
- Resistance to impact without deformation (guaranteed operation): 9,000 joules.
Maximum impact resistance, with permanent deformation: 120,000 joules.
- Operating temperature: between -15 and +70°C.
- Max. relative humidity: 95%, without condensation.
- Weight (including sealing frame): ±150 kg.
- IP67.
- Complies with CE standards.

Work to be provided by the client

- Sealing of the casing in a concrete foundation (see specific drawing of sealing and implantation).
- Drainage or connection to a draining system.

Standard dimensions (mm)

