



# High-security bollard

## Protection of sensitive areas against vehicle entry

This bollard was developed for the protection of particularly sensitive areas and areas where a high degree of security and perimeter protection against terrorist attacks is required. When raised, the high-security bollard prevents vehicles from accessing sensitive, temporarily restricted areas.

### Highlights

- Invisible when retracted
- Retractable bollards are ideal for preventing sensitive areas and buildings from terrorist attacks using vehicles.
- Retractable bollards are low-maintenance and low-corrosion.

# High-security bollard

## Technical data



### DESCRIPTION

When raised, the high-security bollard prevents unauthorised, forced vehicular access to sensitive, temporarily restricted areas. The high-security bollard is monitored for tampering and can be equipped with a mechanical emergency actuation.

### MODELS

Automatic bollard for perimeter protection

1) For high frequency of use 2) Minimal service and maintenance requirements 3) Drive can be supplied as

- Electrical raising
- Electro-hydraulic as individual unit (hydraulic unit contained in bollard)
- Electro-hydraulic as multiple unit (hydraulic unit in separate place)

All drives have tamper-proof emergency actuation

### REQUIREMENTS

Tamper-proofing against sabotage. The bollard can be locked with a security lock. In case of a power outage or control failure, the secured cover can be removed and the bollard raised or lowered with an emergency opening.

### TECHNICAL DATA

#### Model DFS-A 100 POL/850

|                     |   |
|---------------------|---|
| Diameter:           | 570 mm  |
| Height when raised: | 800 mm  |
| Speed of raising:   | 20 - 60 mm/s                                      |
| Raising range:      | 800 mm  |
| Speed of raising:   | 20 - 60 mm/s                                      |
| Protection class:   | IP 55   |
| Network voltage:    | 400 V   |
| Rated power:        | 4 kW/drive  |
| Impact resistance:  | 1 MN impact force when bollard is raised (800 mm) |
| Ambient conditions: | +20°C to +40°C                                    |