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PRODUCT CATALOG
2026 EDITION

VEHICLE ACCESS CONTROL

Automatic Rising Bollards

Hydraulic rising bollards, fixed and removable bollards in stainless steel — to protect entrances, pedestrian zones, banks, government buildings and campuses.

Ø219	600 mm	IP68
MM SS304	RISE HEIGHT	PROTECTION





ENTRANCE LANE



LED RING

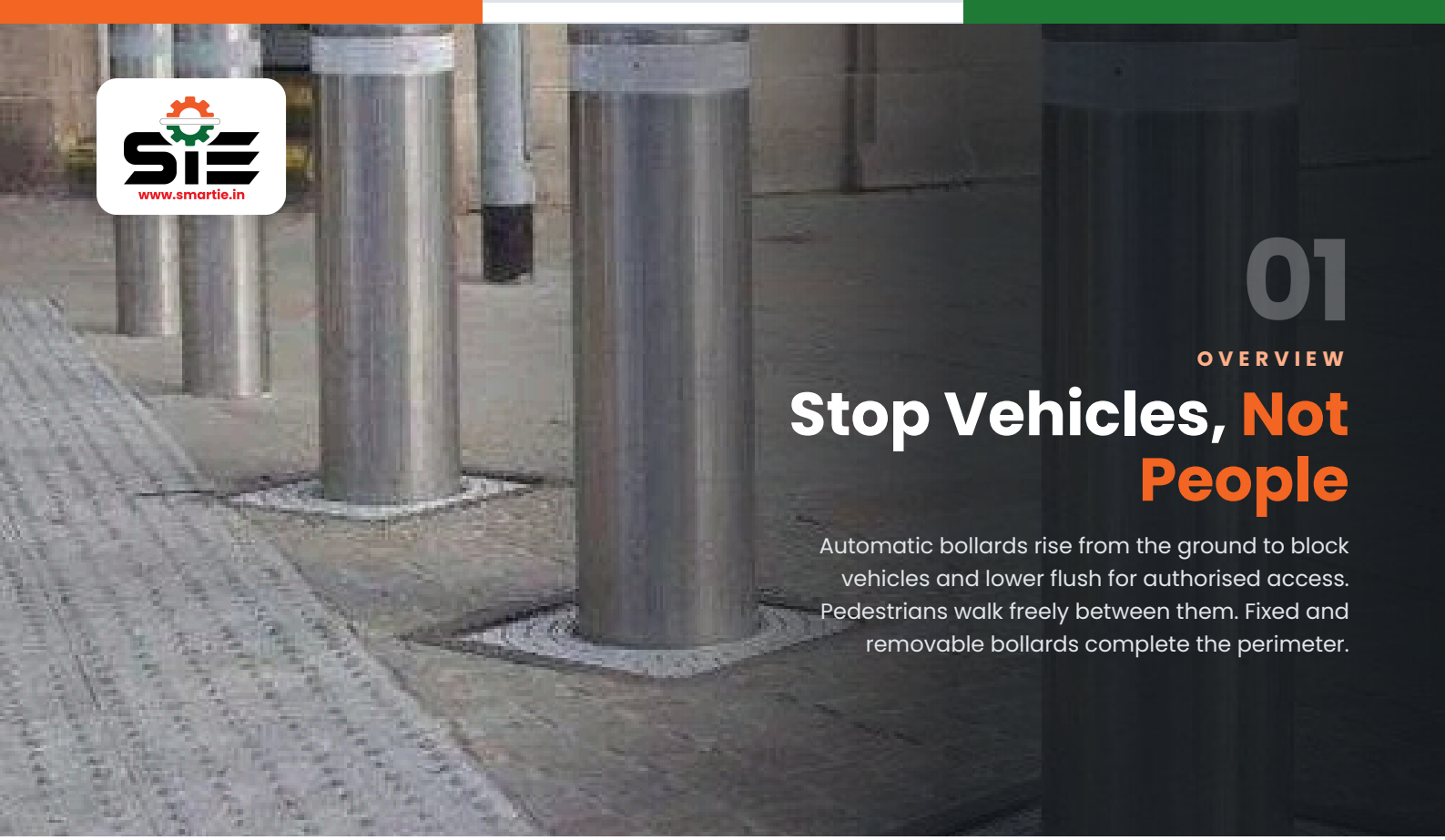


FIXED BOLLARD



PERIMETER

Hydraulic drive • **LED** warning ring • **Emergency** lowering • **Boom & RFID** integration



01

OVERVIEW

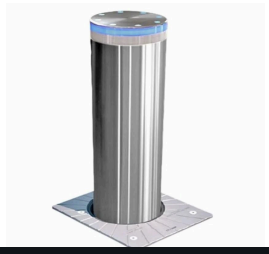
Stop Vehicles, Not People

Automatic bollards rise from the ground to block vehicles and lower flush for authorised access. Pedestrians walk freely between them. Fixed and removable bollards complete the perimeter.

1.1 Typical Specification — SIE-BL600

Body	Ø219 mm, SS304
Wall thickness	6 / 8 / 10 / 12 mm options
Rise height	600 mm
Speed	Up 4 s / down 2.8 s
Power	220 V AC · 350 W running / 1100 W start
Protection	IP68
Working temp.	-30 to +55°C
Static load	50 T (lowered)
Warning	LED ring + reflective band
Emergency	Battery / manual lowering
Foundation box	Ø379 × 1120 mm

Typical values; heavier crash-rated and taller options available on request.



SIE-BL600



LED ring at dusk

1.2 Sites



Approach road



Building frontage



Toll / checkpoint

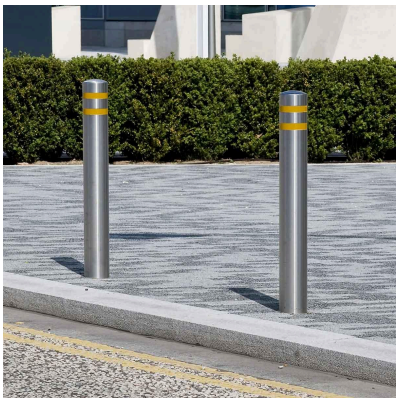
AUTOMATIC · SEMI-AUTOMATIC · FIXED · REMOVABLE — Stainless steel, made to site

Automatic Rising — HYDRAULIC



Remote, RFID, loop or boom-barrier controlled.

Fixed Bollard — SS304



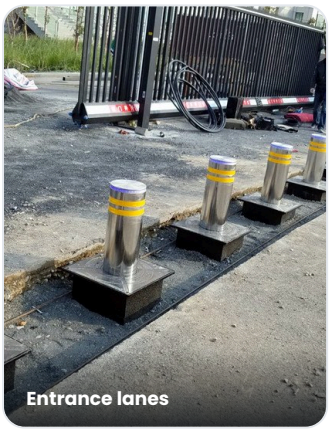
Permanent anti-ram protection with reflective bands.

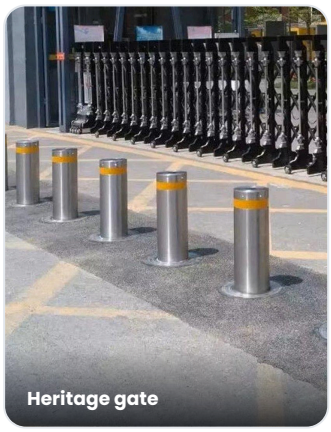
Fixed & Removable — SS304

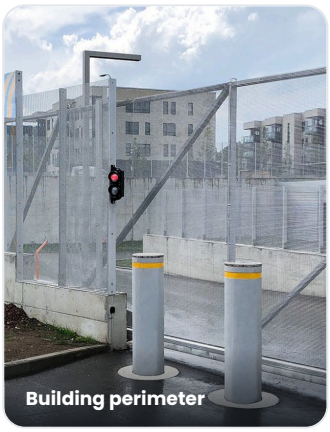


Lift out with a key for occasional access.

2.1 Installations


Entrance lanes


Heritage gate


Building perimeter


Pedestrian zone

2.2 Control & Integration

Remote & push button
Guard room control panel.

RFID / ANPR
Automatic lowering for authorised vehicles.

Boom barrier
Interlocked with SIE boom barriers.

Fire alarm
Auto-lower in emergency.

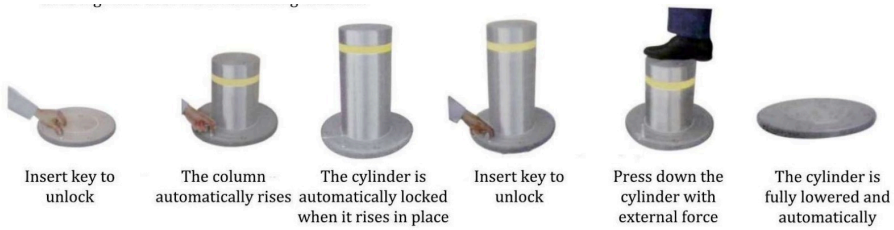
Site requirements

- Foundation pit with drainage for each automatic bollard
- Conduit from control panel to each bollard
- 230 V power at the guard room
- Spacing about 1.2–1.5 m between bollards for pedestrians

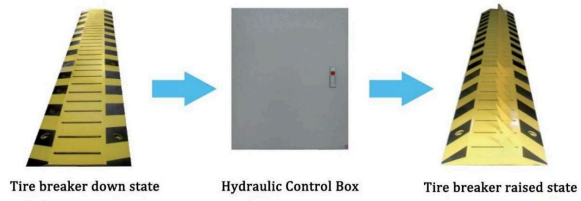
COMPLETE VEHICLE CONTROL RANGE — Hydraulic, semi-automatic, fixed and removable

3.1 Semi-Automatic Bollard

No motor or control panel: unlock with a key and the column rises by itself and locks; press it down to lower. Ideal where access is needed only occasionally.



3.2 Tyre Killer

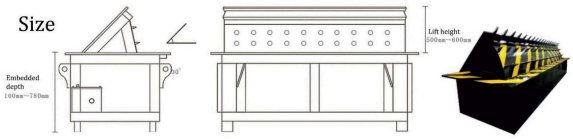


Down → hydraulic control box → raised

Tyre killer

- Hydraulic spikes rise to stop unauthorised vehicles
- Manual lowering in a power failure
- Works with boom barriers, loops and RFID

3.3 Road Blocker



Road blocker — size & raised plate

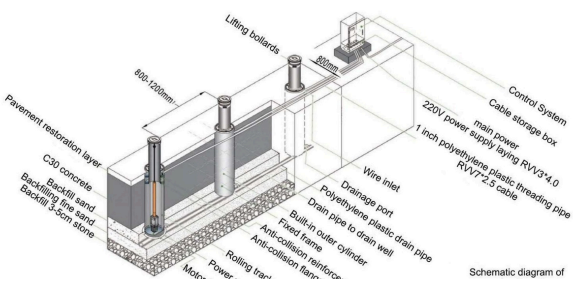
Road blocker

- Lift height 500–600 mm, blocking width 1–6 m
- Rises in 1–2.5 s; anti-ram steel plate
- LED warning lights on the plate

3.4 How It Stops a Vehicle



Anti-collision principle



Foundation & construction scheme

Secure perimeters, open for people.

SIE bollards, boom barriers, tyre killers, sliding gates and access control — complete vehicle and pedestrian security from one team.

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