

BLOKEX

AUTOMATIC HYDRAULIC RISING BOLLARD SYSTEM



GENERAL

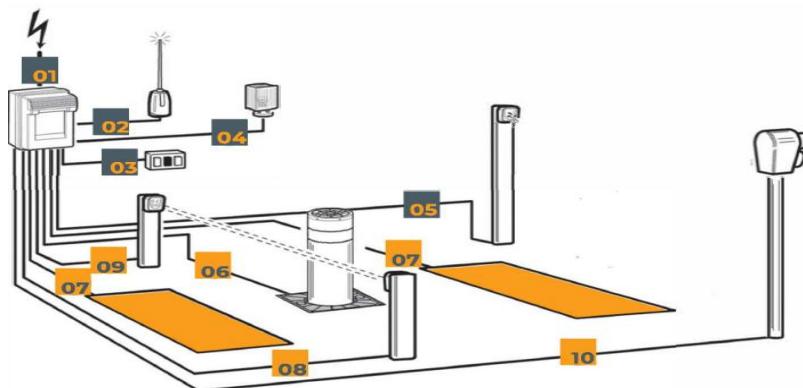
curity, high-strength vehicle-access control solution suitable for restricted zones, government areas, commercial sites, and pedestrian-priority environments. Using low-pressure hydraulic drive technology, BLOKEX ensures smooth, stable, low-noise operation while offering exceptional durability through its 316 stainless steel structural design. The system prevents unauthorized vehicle entry by deploying a robust, retractable cylinder engineered to withstand high-impact collisions. BLOKEX units are available in single or multi-bollard drive configurations



HIGHLIGHTS

- Heavy-duty stainless-steel construction
- Smooth, stable hydraulic movement with low noise
- Micro-controller-based operation for high stability
- Manual operation available during power failure
- LED ring flashing during movement for visibility
- Intermittent sound alarm for safety
- Remote control operation (wireless)
- International-standard hydraulic system for long service life

BOLLARD SYSTEM ARCHITECTURE



- 01 Feeding Line 220 VAC 1PH, 380 VAC 3PH
- 02 Receiver Antenna
- 03 Local Control Button
- 04 Indicator Flasher
- 05 Key Lock Protection
- 06 Rising Bollard
- 07 Loop Detector
- 08 Photocell (Transmitter)
- 09 Photocell (Receiver)
- 10 Traffic Light NOREX 2 Type



Parameter	Specification
General	
Product Series	BLOKEX Series
Application	Vehicle access control, high-security, restricted areas
Construction Material	316 Stainless Steel
Power / Electrical	
Supply Voltage	Solar Flashers with LEDs
Hydraulic System	Low-pressure, stable hydraulic drive
Duty Cycle	100% continuous
Backup Operation	Manual hand pump
Normal Oil Pressure	20 Bar
Maximum Oil Pressure	75 Bar
System Life	≥ 10 Years
Core System	
Deployment Time	3–5 seconds
Operating Modes	Remote, Loop Detector, Photocell
Safety Features	LED ring flashing, sound alarm
Fail-Safe	Manual raise/lower on failure
Communication & Control	
Local Control	Push-button station
Remote Control	Wireless RF control
Sensors	Loop detector, photocell TX/RX
Indicator Outputs	Flasher, NOREX traffic light compatible
Communication & Control	
Bollard Height	50–100 cm (model-dependent)
Cylinder Housing	2 mm SS 304/316 + 10 mm S235 JR galvanized
Top Cover	High-durability pressed aluminum
Base Plate	Hot-dip galvanized plate
Hydraulic Hose	3/8" R2, 330 Bar
Impact Rating	High Security – K12 / L2
Environmental	
Operating Temperature	–25 °C to +60 °C
Weather Protection	Stainless Steel + Hot-Dip Galvanized
Optional Modules	
Add-ons	Loop detectors, SCADA monitoring NOREX traffic light custom manifolds LED options