

ARB30/50 RETRACTABLE BOLLARD



A crash-rated retractable bollard is a high-security measure designed to control vehicle access and mitigate hostile vehicle threats where there is high volume pedestrian traffic. The retractable bollard is designed to ASTM F2656-M30/M50

Key Features and Benefits

- **High Security:** Provides robust facility access defense against intentional and unintentional vehicle incursions. Especially where there is high pedestrian activity.
- **Aesthetic Versatility:** Retracts flush with the pavement when lowered to allow full vehicle/pedestrian access, blending into the environment when not active.
- **Flexible Operation:** Can be integrated with various access control systems (card readers, remote controls, gates, etc.).
- **Bi-directional Stopping:** Engineered to stop vehicles approaching from either direction.



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- **Modular Design:** Units can be installed as a 2+ bollard array with specific spacing. Typically, 54" spacing (or less) on center to maintain certification.

Installation and Site Requirements

- **Foundation:** Installation requires excavation and reinforced concrete (e.g., 4000 psi minimum strength).
- **Utilities:** Requires access to electrical power for the control unit and a drain system for the bollard silo.
- **Clearance:** Must consider adequate underground space for the foundation requirements, especially where underground utilities are a concern.

Typical Product Specifications

Feature	Specification
Product Type	Retractable Security Bollard, Power-Operated (e.g., electrohydraulic/hybrid), Drill operated manual drive
Crash Rating	ASTM F2656 M30/P1 or M50/P1 (K4/K12 equivalent) 15,000 lb. (6,804 kg) vehicle traveling at 30 mph (M30) or 50 mph (M50)
Bollard Dimensions	39.5 inches (914 to 991 mm) above finished grade, 10 3/4" (273 mm) without the decorative cover
Material	Carbon Steel
Finish Options	Powder coating, stainless steel sleeves, others available
Electrical Requirements	EPU requires 208VAC – 240VAC/3Ø/10A (per bollard) plus 25% (by others)
Cycle Time	Normal operation: approx. 4 seconds (raise/lower)
Control	Control panels contain UP/DWN/LOCK controls and are provided as desk-mounted consolettes or touchscreen
Foundation	Concrete embedded, 67" Deep x 50" Wide and width per manufacturer's engineering and local soil conditions

CONTACT US TODAY FOR MORE INFORMATION!



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