



Bollards

Concentric Security’s bollard solutions are used to protect against a variety of vehicle threats. These bollards have been designed and crash tested to meet specifications down to non-rated requirements. Our bollard solutions are fabricated in a variety of diameters, height, operational configurations, and performance ratings to meet the project’s needs.

Features

- Design flexibility with colors and exterior sleeves to match existing bollards and architecture
- Center-to-center dimensions can vary with engineered models to maximize roadway protection with minimal product
- Systems can be integrated into other security features, equipment and controls
- EFO available on most automatic models
- Traffic lights, traffic arms, vehicle detections loops can be provided for additional safety features
- Matador Shallow Mount Sliding Bollard
- Raptor Shallow Mount Bollard
- Manual
 - Least cost with exclusion of operating system
 - Physical operation of each bollard required
 - Key lockable
- Removable Bollards
 - Internal or external locking systems
 - Physical removal required (high-security versions may require heavy lifting equipment)
 - Heavy Duty versions available

Types

- Automatic Bollards
 - Hydraulic
 - Proven product in security industry
 - With proper maintenance, years of available service
 - Environmentally friendly hydraulic oil
 - Electric
 - Although higher install costs, reduced life maintenance, and operational costs
 - Reduced environmental impact
 - Lights available in some models
- Fixed Bollards
 - Permanent solution to preventing unauthorized vehicular access
 - Shallow Mount versions can be installed to avoid underground utilities
 - Surface Mount versions for flexibility and temporary perimeter security requirements

