



Raptor Shallow Mount Bollard

The Raptor Shallow Mount Bollard solution’s unique design gives it the strength to make it a truly formidable defense, guarding against the highest level of vehicular threat. The shallow foundation solution requirement offers cost-effective installation and flexibility.

The Raptor include the following features:

- Practical installation
- Shallow 20” excavation
- Minimal concrete required, approximately 2 yards
- Single or multiple units for wider roads
- Engineered for safety without pinch points, trip hazards, and voids
- High duty cycle
- ASTM M50-P1 and C40-P1 Crash Tested
- Tested as a single unit
- Operational after testing with minor repair
- Sleek, stylish design
- Hot dip galvanized to assist with corrosion resistance
- Can be integrated and operated by most access control systems
- Available as Hydraulic, Electro Mechanical, and Manual
- Reduced operational costs
- Lower maintenance requirements

Options

- Emergency Fast Operation (EFO)
- Heat Trace

Operation

- Electro Mechanical
 - Reduced carbon footprint by utilizing 50% less electricity to operate
 - Runs off a single-phase power supply
 - Operable from a generator when no power supply is available
 - Smaller control cabinet, reducing space requirements
- Manual
 - Great for sites where no power supply is available
 - Operated via a battery drill

Raptor is a great choice for a variety of applications, to include:

- Stadiums and Entertainment Venues
- Professional Sports Teams
- City Entertainment Districts
- Energy Facilities
- Federal, State, and Local Government
- Data Centers



US Patent US 8, 979, 419 B2
US Design Patent US D715, 174 S