# **Crash-Rated Bollards**

**ENGINEERED PERIMETER PROTECTION** 



Crash-rated bollards have proven their stopping power in rigorous third-party tests. When installed as directed, they offer security against vehicle accident or attack. Protect people and property with a well-constructed perimeter.

Removable and fixed models are available.



## **ACCIDENT PROTECTION**

#### THE ASTM C40 BOLLARD

- Stops a 2,430-pound vehicle (passenger car) moving 40 mph
- Halts vehicle within 3.3 feet (P1 penetration)
- Excellent for areas with curbs, speed bumps, or parking stops where vehicle speeds are slow due to environmental design
- Improved parking lot protection against accidents due to inattention and pedal confusion.



## **MEDIUM SECURITY**

#### THE K4 / ASTM M30 BOLLARD

- Stops a 15,000-pound vehicle (medium-duty truck) moving 30 mph
- Halts vehicle within 3.3 feet (P1 penetration)
- May be used in anti-ram raid and anti-terrorist perimeters where there is no open road offering an acceleration zone
- Most popular choice for securing against vehicle accident in urban traffic



#### **ANTI-TERRORIST PROTECTION**

#### THE K12 / ASTM M50 BOLLARD

- Stops a 15,000-pound vehicle (medium-duty truck) moving 50 mph
- Halts vehicle within 4 feet (P2 penetration)
- Security for locations with long stretches of open road
- Two adjacent halt vehicles within 3.3 feet (P1 penetration)
- Popular at government buildings, high security installations, and commercial organizations vulnerable to ram-raid attack

# **EASY INSTALLATION**



No specialized installation knowledge necessary. Detailed install instructions available on website.

# RELIANCE FOUNDRY SINCE 1925 -

# **CONTACT US** 1-877-789-3245

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## CHOOSING THE RIGHT IMPACT PROTECTION

**RISK** Are you securing against accident or deliberate attack?

TRAFFIC PATTERN -What are likely accident scenarios? A sharp curve in an arterial presents

a higher impact risk than a light-controlled one-way street, even one with

high traffic volume.

**TRAFFIC SPEED** Consider what is typical and possible. Areas with speed bumps, trees,

fences, or switchback turns offer less threat than long stretches of empty

road.

**OTHER BARRIERS** — A mix of security and crash-rated barriers offer value and protection.



## **Architectural and Decorative Covers**

Beauty and Strength, Together.

Choose from a range of architectural covers to complement your site. Create a consistent look when using a combination of fixed, removable, security, and crash-rated bollards around the perimeter. Available in cast iron, steel, stainless steel, or plastic. Customize by choosing from a range of colors and finishes.