



**BULLARD
BOLLARDS**
Think Bollard Think Bullard



MR. FLAT DS

K12
RATING

NON-ILLUMINATED **SECURITY & SAFETY BOLLARDS**

Fixture Type:

Project Name:



General Information:

With a more articulated profile, MR. FLAT DS enhances safety by strengthening visual cues within a space—helping guide movement and reinforce protected zones. Its flat top and dual reveal detailing maintain a clean, architectural presence.

Designed for certified impact performance, it offers flexible security ratings and finish options to meet diverse project needs.

Applications: high-traffic areas, commercial perimeters, industrial facilities

Fixture Type:

Non-Illuminated Security & Safety Bollard

Bollard Cover Materials:

- Stainless Steel
- Aluminum
- Carbon Steel

Finishes:

- White
- Green
- Corten
- Grey
- Black
- Stainless Steel
- Custom on request

IP Rating:

IP 65



Due to the dynamic nature of lighting products and the associated technologies, luminaire data on all specification sheets is subject to change at the discretion of Gordon Bullard LLC and associated companies.

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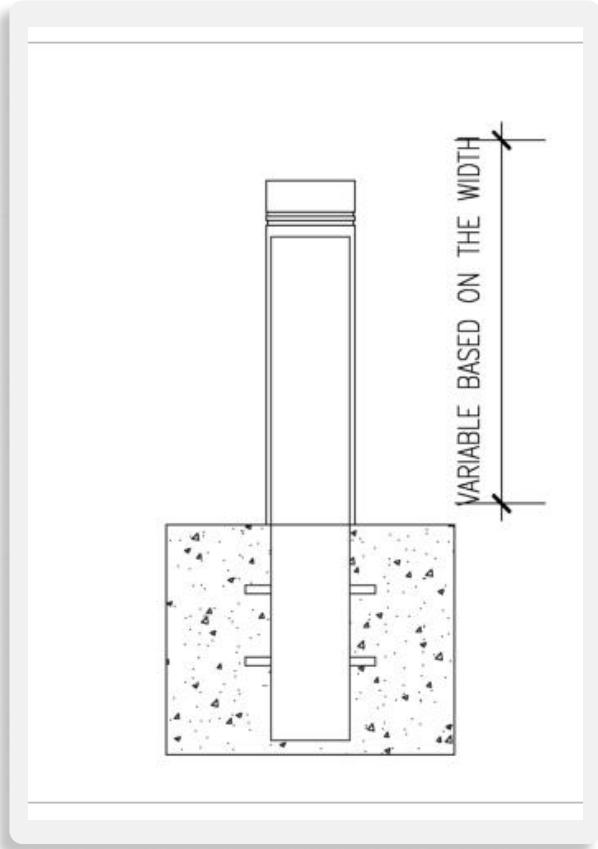
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991 South Gull Lake Dr Richland, MI 49083 USA



Fixture Type:

Project Name:



HOW TO ORDER:

CODE:

CODE EXAMPLE:
BB-MRFLTDS-SB-K12-H4-01-11

BB-MRFLTDS-SB-
K12-H4-01-11

1 BOLLARD DIAMETER:

Diameter - Ø: 12" (30.48 cm)

2 BOLLARD HEIGHT:

- H1 H: 40" (101.6 cm)
- H2 H: 42" (106.6 cm)
- H3 H: 43.5" (110.4 cm)
- H4 H: 44.5" (113 cm)
- H5 H: 46" (116.8 cm)
- H6 H: 47.5" (120.6 cm)
- H7 H: 48" (121.9 cm)
- H8 H: 49" (124.4 cm)
- H9 H: 51" (129.5 cm)
- H10 H: 54" (137.1 cm)
- H11 H: 56" (142.2 cm)
- H12 H: 57" (144.7 cm)
- H13 H: 59" (149.8 cm)
- H14 H: 62" (157.4 cm)
- CUS Custom Height

3 BOLLARD COVER MATERIALS:

- 01 Stainless Steel,
- 02 Aluminum,
- 03 Carbon Steel

4 FINISH OPTIONS:

- 392 White
- 393 Green
- 394 Corten
- 395 Grey
- 396 Black
- 11 Stainless Steel
- CUS Custom on request*



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DOS K-RATING EXPLAINED

DOS K-ratings are a legacy U.S. Department of State crash-testing classification system used to define the performance of security barriers (such as bollards) against vehicle impact. The rating is based on a standardized test involving a 15,000 lb vehicle impacting at defined speeds—K4 (30 mph), K8 (40 mph), and K12 (50 km/h ≈ 50 mph)—with performance measured by how effectively the barrier stops the vehicle and limits penetration beyond the barrier line.



DOS K12

- **Vehicle weight:** 15,000 lbs
- **Impact speed:** (50 mph)
- **Vehicle type:** medium-duty truck
- **Penetration:** 1 meter or less (L3)
- **Test standard:** U.S. Department of State (DOS) crash test protocol

FOUNDATION OPTIONS EXPLAINED

Understanding foundation type and depth is critical to ensure the bollard performs as designed under impact. Improper installation can significantly reduce crash-rating effectiveness and compromise site safety.



Deep Foundation

- **Excavation:** 47.25 in (1200 mm) depth
- **Reinforcement:** Rebar cage (#5 / #8)
- **Installation:** Bollard embedded and fully encased in concrete
- **Function:** Transfers impact load into deep concrete mass



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