MR. ANGLE

PU40
RATING

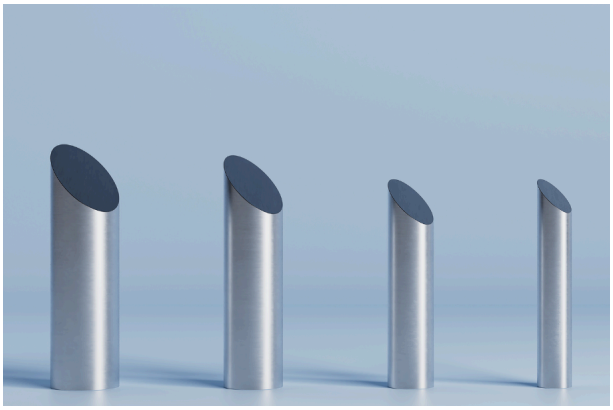
NON-ILLUMINATED **SECURITY & SAFETY BOLLARDS**

BULLARD BOLLARDS
Think Bollard Think Bullard

CODE: BB-MRAN-SB-PU40

Fixture Type:

Project Name:



General Information:

A purpose-driven solution for protecting people and critical spaces, MR. ANGLE is designed to enhance safety across commercial, industrial, and high-security environments. Its sloped top profile reinforces a clean, controlled boundary—helping guide movement while reducing risk from vehicle intrusion.

Engineered for certified impact performance, it offers a range of security ratings to meet specific site requirements. Durable construction and customizable finishes allow it to integrate seamlessly into both functional and design-led environments.

Adaptable and reliable, MR. ANGLE supports safer perimeters without compromising visual clarity.

Applications: commercial sites, industrial facilities, high-security perimeters

Fixture Type:

Non-Illuminated Security & Safety Bollard

Bollard Cover Materials:

Stainless Steel
Aluminum

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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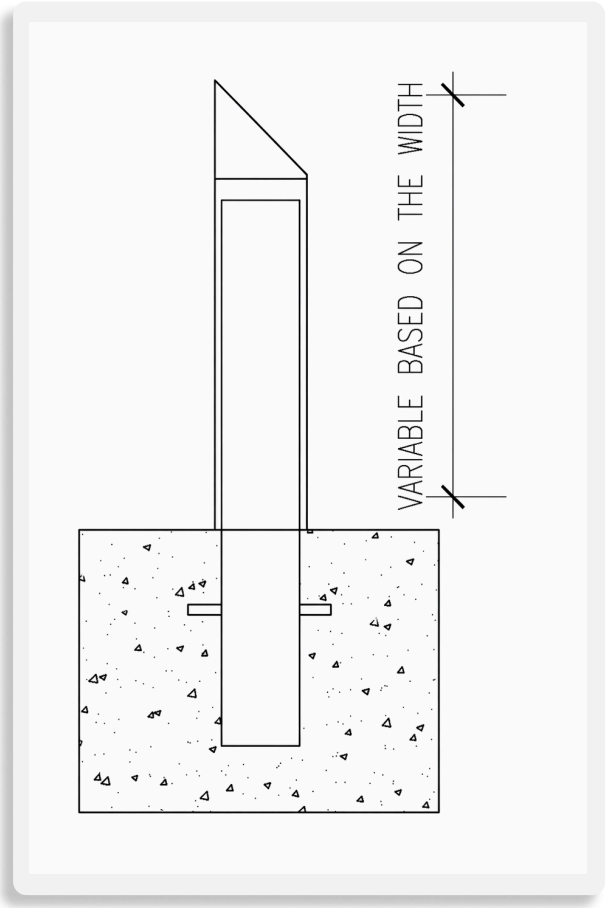

IP65 | PU40 RATING | DEEP FOUNDATION | MADE IN USA

HOW TO ORDER: CODE:

CODE EXAMPLE:
BB-MRAN-SB-PU40-D1-H4-01-393

BB-MRAN-SB-PU40-D1-H4-01-393

1	**BOLLARD DIAMETER:**	

-D1	Ø: 10” (25.4 cm)
-D2	Ø: 12” (30.4 cm)

2	**BOLLARD HEIGHT:**	

-H1	H: 36” (91.4 cm)
-H2	H: 40” (101.6 cm)
-H3	H: 40.5” (102.8 cm)
-H4	H: 42” (106.6 cm)
-H5	H: 43” (109.2 cm)
-H6	H: 43.5” (110.4 cm)
-H7	H: 44” (111.7 cm)
-H8	H: 47” (119.3 cm)
-H9	H: 48” (121.2 cm)
-H10	H: 50” (127 cm)
-H11	H: 52” (132 cm)
-H12	H: 54.6” (138.6 cm)
-H13	H: 55” (139.7 cm)
-CUS	Custom Height

3	**BOLLARD COVER MATERIALS:**	

-01	Stainless Steel
-02	Aluminum

4	**FINISH OPTIONS:**	

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

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ASTM CRASH RATINGS EXPLAINED

ASTM crash ratings (ASTM F2656) are a U.S. standard used to classify the performance of vehicle security bollards based on their ability to stop specific types of vehicles under controlled impact conditions, including small passenger cars (SC), pickup trucks (PU), and medium-duty trucks (M), each tested at defined impact speeds and performance levels.

THE RATING CATEGORIES BREAK DOWN AS FOLLOWS:

SC (SC) Small Passenger Car

- Vehicle weight: 2,430 lbs
- Speed ratings: SC40 (40 mph), SC50 (50 mph), SC60 (60 mph)
- Use case: Low-mass vehicle threats; urban or light-security environments

PU (PU) Pickup Truck

- **Vehicle weight: 5,070 lbs**
- **Speed ratings: PU40 (40 mph), PU50 (50 mph), PU60 (60 mph)**
- **Use case: Mid-range threats; commercial zones, parking perimeters**

M (M) Medium-Duty Truck

- Vehicle weight: 15,000 lbs
- Speed ratings: M30 (30 mph), M40 (40 mph), M50 (50 mph)
- Use case: Elevated risk scenarios; logistics hubs, public infrastructure

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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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