

# MODEL 303 High Impact Bollard

ASTM F2656-18a M30/P1 CERTIFIED

15,000LBS @ 30MPH

NEW



**YOUR BARRIERS ARE OUR BUSINESS, YOUR SAFETY IS OUR PRIORITY!**

## PRODUCT OVERVIEW

The Model 303 High Impact Bollards are expertly and aesthetically designed to act as a vehicular deterrent for perimeter security and traffic control purposes. The Model 303 is certified to ASTM F2656-18A M30/P1 (15,000 lbs vehicle traveling at 30 mph with less than 3-ft of penetration). Designed for simple installation, fast and reliable service, and relocatable, the Model 303 provides maximum protection and optimal performance in harsh environmental conditions.

Additional information can be found on our website [www.bbrss.com/products/303](http://www.bbrss.com/products/303)

## APPLICATIONS

The Model 303 High Impact Bollard is ideal for applications requiring reliable operation while providing the highest level of protection. The Model 303 features three operation modes further allowing tailored control solutions for any type of facility or environment.

*Automatic* (hydraulic) operation of the bollard system requires minimal surveillance and is ideal for areas requiring continual operation and access.

*Semi-automatic* (non-powered) bollards are ideal for locations where power is either unavailable or not practical to provide.

*Fixed and Removable* engineered options are available to complement perimeter protection.

The Model 303 allows government facilities, military installations, industrial, data centers, stadiums, petrochemical and other critical infrastructure facilities to take the necessary steps to protect both property and personnel from vehicle threats.

## FEATURES

- Hydraulic Operation
- Hot Dipped Galvanized
- Lost Casing Design
- Emergency Fast Operation
- Advanced Control System

## SPECIFICATIONS

- Height: 40-inches
- Diameter: 8-inches
- Depth: 60-inches
- Rating: M30/P1 Certified
- Spacing: Up to 60" o.c.
- Finish: Macropoxy Finish

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PS-303-2020-REVA

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<p><b>DESIGN &amp; CONSTRUCTION</b></p>	<p>The Model 303 is designed for ease of installation, fast service and can be relocated or replaced without disturbing the surrounding concrete. Additionally its unique design allows for the bollards to be easily serviced and maintained. Constructed of high strength steel cylindrical units, the Model 303 is encased in a movable tube guided by an offset flange assembly with precision molded anti-friction surfaces. All subterranean components are coated to prevent corrosion.</p>
<p><b>SYSTEM OPTIONS</b></p>	<p>Available options include, but are not limited to the following:</p> <ul style="list-style-type: none"> <li>• Integrated LED Light</li> <li>• Stainless Sleeve</li> <li>• Reflective Striping</li> <li>• Battery Backup</li> <li>• Cold Weather Package</li> <li>• Emergency Fast Operation</li> <li>• Custom PLC Programming</li> <li>• Custom RAL Finishes</li> <li>• Custom Power Voltages</li> <li>• Engineered Fixed &amp; Removable Options</li> <li>• Engineered Shallow &amp; Deep Mount Options</li> </ul>
<p><b>INSTALLATION</b></p>	<p>The Model 303's unique design uses a lost casing which can be shipped in advance to help expedite civil installation.</p>
<p><b>INTEGRATION</b></p>	<p>The Model 303 uses a PLC controller that easily integrates into access control systems. Common integration includes card reader activation, local push button, remotely controlled and vehicle detector for entry/exit operations.</p>
<p><b>OPERATION</b></p>	<p>The Model 303 features three operation modes further allowing tailored control solutions for any type of facility or environment. Automatic (hydraulic) operation of the bollard system requires minimal surveillance and is ideal for areas requiring continual operation and access. Arranged independently or engineered to work as a set, the Model 303 incorporates dual speeds for normal operation (4-5 seconds) and emergency fast operation (2-seconds) for when immediate deterrence is required.</p> <p>Manual bollards are best suited for facilities requiring a higher level of security where constant guard is kept and removable bollards are typically used as temporary traffic diversions.</p>
<p><b>MAINTENANCE</b></p>	<p>The Model 303's design allows for ease of service and maintenance. Factory training programs are available to train local personnel how to properly perform manufacturer's suggested maintenance.</p>
<p><b>WARRANTY &amp; SUPPORT</b></p>	<p>BBRSS warranty covers the barrier and BBRSS supplied equipment against defective material and components for one year from date of shipment from the manufacturer. BBRSS maintains an inventory of replacement parts for a minimum of 10 years. Replacement parts for most components are normally available in one working day. Extended Warranty packages, installation and support options are available. Warranties are easily registered online at <a href="http://www.bbrss.com/warranty">www.bbrss.com/warranty</a> or via email: <a href="mailto:warranty@bb-armr.com">warranty@bb-armr.com</a></p> <p>All BBRSS equipment is backed by a full team of engineers and technical staff to help you with selection, design, installation, &amp; maintenance. Please contact us for additional information.</p>



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