

# RhinoGuard® Super Shallow 100™

IWA 14-1:2013 Bollard V/7200[N2A]/64/90:7.6

Date Created: 19/03/20

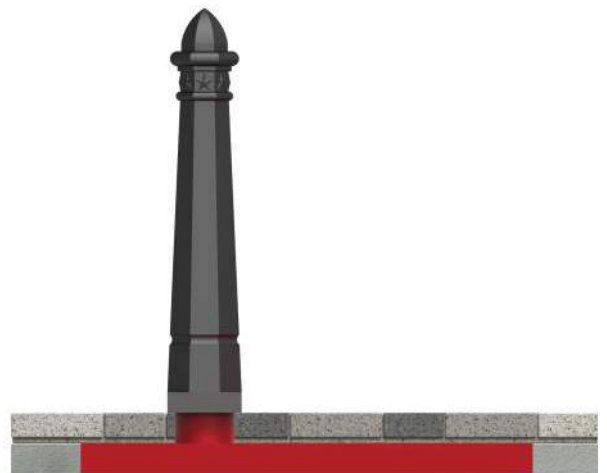


Developed by our experts to only require a 100mm deep foundation, the unique design of the RhinoGuard® Super Shallow 100™ bollard is successfully crash tested to IWA 14.1 standards and is capable of withstanding a 7.2 tonne vehicle travelling at 40mph.

The Super Shallow 100™ requires little excavation making the bollard series a perfect solution for areas with high utilities or services. Additionally, the level of waste during installation is minimal.

The tapered bollard core works perfectly with a range of bollard sleeves which are available in a breadth of materials and designs, from mild steel, stainless steel to Ferrocast® polyurethane.

The design also lends itself to cope with external and internal site radiuses which can save time with onsite modification whilst allowing flexibility during installation.



# RhinoGuard® Super Shallow 100™

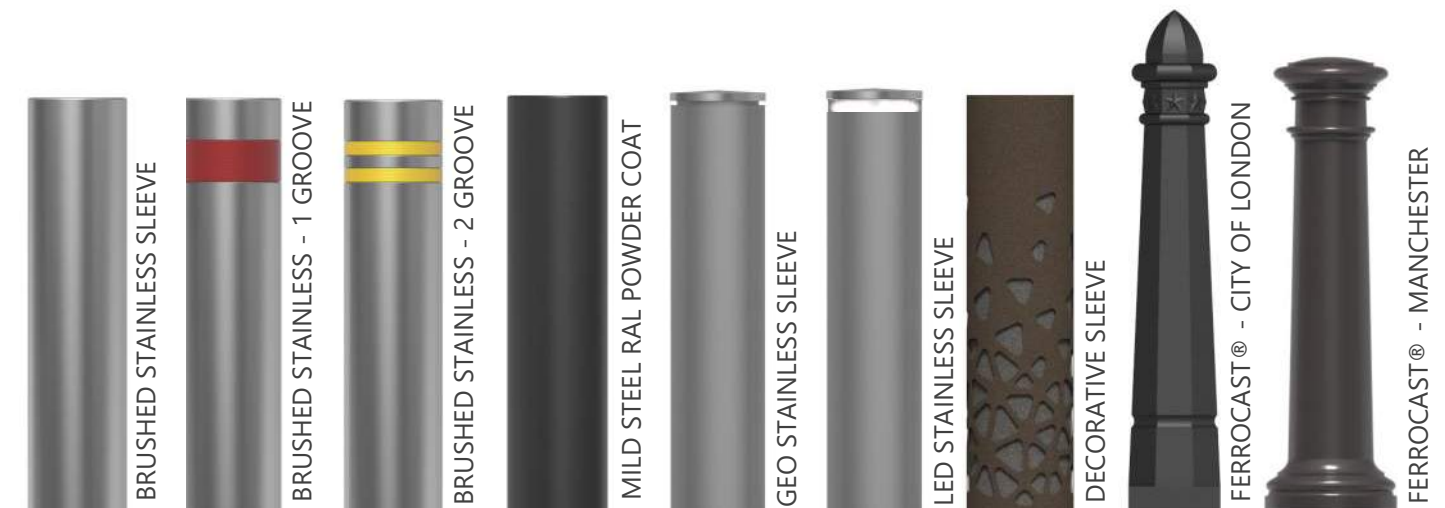
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## PHYSICAL BOLLARD CORE PROPERTIES

NAME	APERTURE Ø (MM)	MATERIAL	FINISH	FOUNDATION LENGTH (MM)	WIDTH (MM)	HEIGHT ABOVE GROUND (MM)	ROOT DEPTH (MM)	CORE WEIGHT (KG)
SINGLE BOLLARD 72/40	194Ø	Mild Steel	Galvanised & Painted	1200	1900	1000	100	520
TESTED BOLLARD ARRAY (3) 72/40	194Ø	Mild Steel	Galvanised & Painted	3880	1900	1000	100	1900

## SLEEVE OPTIONS

NAME	APERTURE Ø (MM)	MATERIAL	FINISH	HEIGHT ABOVE GROUND (MM)	OVERALL WEIGHT (KG)	SLEEVE WEIGHT (KG)
STAINLESS STEEL NO GROOVE	204Ø	Stainless Steel	Brushed	1020	531	11
STAINLESS STEEL 1 GROOVE	204Ø	Stainless Steel	Brushed	1020	531	11
STAINLESS STEEL 2 GROOVE	204Ø	Stainless Steel	Painted	1020	531	11
MILD STEEL NO GROOVE	204Ø	Mild Steel	Powder Coated	1020	537	17
MILD STEEL 1 GROOVE	204Ø	Mild Steel	Powder Coated	1020	537	17
MILD STEEL 2 GROOVE	204Ø	Mild Steel	Powder Coated	1020	537	17
GEO	204Ø	Stainless Steel	Bead Blasted	1100	536	16
LED	204Ø	Stainless Steel	Brushed	1020	534	14
DECORATIVE	204Ø	Stainless Steel	Powder Coated	1020	554	34
CITY OF LONDON	240Ø	Ferrocast®	Painted	1300	548	28
MANCHESTER	350Ø	Ferrocast®	Painted	1100	554	34



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## CLEANING & MAINTENANCE

### FURTHER INFORMATION

#### FERROCAST®

Due to its non-ferrous and high chip and abrasion resistant properties, Ferrocast® requires only minimal maintenance which means that life time costs of the product are low. Generally, cleaning regimes can be infrequent if dirt and grime build up is minimal. Products can be cleaned using mild detergent, water and a soft cloth.

#### POWDER COATED STEEL

Once steel has been effectively treated against corrosion it will require very little maintenance. Polyester powder coated steel is extremely easy to clean and has a long life span. In order to retain aesthetic qualities of products, it is important that they are cleaned regularly. The frequency of cleaning depends upon the environment in which the product is situated. Polyester powder coating can be cleaned using a solution of mild detergent in warm water. All surfaces should be cleaned using a soft cloth, sponge or natural bristle brush.

#### STAINLESS STEEL

Stainless steel requires relatively low maintenance. However its corrosion resistance and aesthetic properties can be compromised if its surface is not kept clean. Regular cleaning schedules will enhance the performance of the product and result in a longer service life. Stainless steel is very easy to clean. Washing with a soap or mild detergent and warm water followed by a clean water rinse is usually adequate. Where stainless steel has become extremely dirty alternate methods of cleaning can be used.

### Contact Us

For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233.

## TECHNICAL DRAWINGS

