

RhinoGuard[®]

Super Shallow 100[®] Bollard



A PERFECT HVM SOLUTION
FOR USE IN AREAS REQUIRING
MINIMAL EXCAVATION

PRODUCT OVERVIEW

Developed by our experts to only require a 100mm foundation depth, 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.

As the Super Shallow 100® requires little excavation, the bollard series makes the perfect solution to use in areas with high utilities or services. Additionally, the level of waste during install is minimal.



OUTSTANDING PERFORMANCE

The RhinoGuard® Super Shallow 100® Bollard has been tested to IWA 14.1 standards and can successfully withstand a 7.2 tonne vehicle travelling at 40mph.



IWA14.1-1:2013 Bollard, Performance Rating: V/7200(N2A)/64/90:7.6

DESIGN CAPABILITIES

The slim profile of the bollard core means a varied choice of sleeve designs and material options are also offered with the Super Shallow 100®.

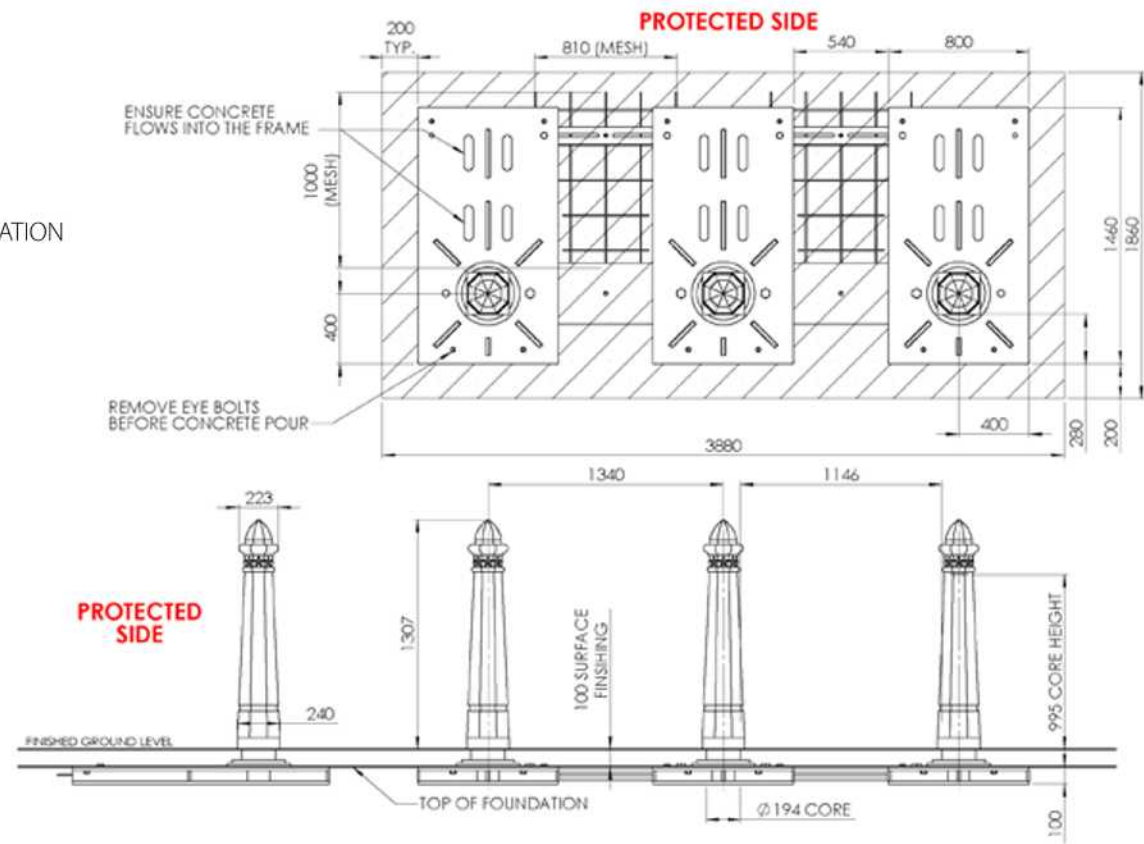
The tapered design of the core also means that bespoke designs can be achieved to compliment schemes, events or branding. Like with the RhinoGuard® Ultra Shallow 50®, the core bollard elements can be incorporated in to other products within the Landscape Protection portfolio including seating, cycle stands, lighting, handrails and wayfinding solutions, offering a variety of innovative and protective design solutions to meet a range of requirements.



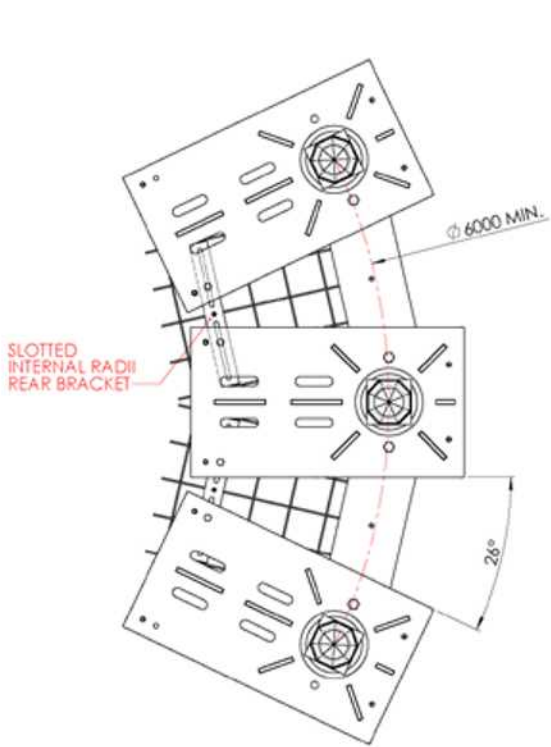
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RhinoGuard® Super Shallow 100® Bollard

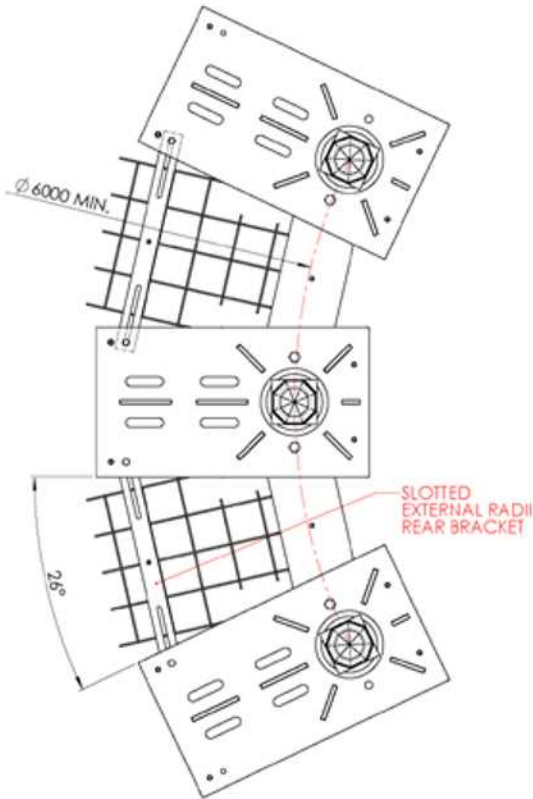
INSTALLATION SPECIFICATION



INTERNAL RADIUS
INSTALLATION SPECIFICATION



EXTERNAL RADIUS
INSTALLATION SPECIFICATION



Core Bollard Specifications

CORE	DIAMETER (mm)	HEIGHT ABOVE GROUND (mm)	OVERALL WEIGHT (kg)
Super Shallow 100® Core	194	995	520

Standard Sleeve Specifications

SLEEVE OPTIONS	DIAMETER (mm)	HEIGHT ABOVE GROUND (mm)	SLEEVE MATERIAL	SLEEVE FINISH	SLEEVE WEIGHT (kg)
 Stainless Steel, No Groove (1 or 2 Groove Options)	204	1020	Stainless Steel	Brushed	11
 Mild Steel, No Groove (1 or 2 Groove Options)	204	1020	Steel	Painted	17
 Geo	204	1100	Stainless Steel	Bead Blasted	16
 Manchester	350	1100	Ferrocast®	Painted	34
 LED	204	1020	Stainless Steel	Brushed	14
 Decorative	204	1020	Stainless Steel	Brushed	34
 City of London	240	1300	Ferrocast®	Painted	28



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