



RhinoGuard™ 75/30

Shallow Mount Protective Bollard

Product Name	Excavation depth (mm)	Core Diameter (mm)	Height Above Ground (mm)(FGL)	Core Weight (Kg)	Sleeve diameter	Finish
RhinoGuard™ 75/30 Shallow Mount Protective Bollard	152	Ø194	1000	370 to 390	Ø204	Steel Powder Coated
	152	Ø194	1000	370 to 390	Ø204	Stainless Steel
	152	Ø194	1000	370 to 390	Various	Ferrocast

*Cap and Core finish also available. For further information, please contact our sales office on 0370 600 2425.

Vehicle: Fully laden 7.5 tonne two axle rigid N2 lorry
Vehicle Speed: 30mph (48km/h)
PAS 68 Classification Code: Shallow Mount
PAS 68:2010-V/7500(N2)/48/90:1.5/0.0

For sleeve style options please see page 6.

Typical protective PAS68 bollard foundations consist of a combination of concrete and steel reinforcement, with some product available requiring up to 1000mm of depth below ground. However, for many sites requiring safety and protection, the existence of underground utilities and cramped building foundations can prohibit this level of excavation without serious disruption.

Marshalls helps tackle the shallow excavation problem with the RhinoGuard™ 75/30 Shallow Mount Protective Bollard, requiring up to 75% less excavation than some standard PAS68 systems, resulting in a cost effective installation and less time spent on site. Our successfully crash tested RhinoGuard™ technology is built into the core, with a sleeve being placed over it to provide a more attractive finish in all locations where aesthetics and safety are key.

The core diameter is Ø168mm, supplied with a shallow frame and has three sleeve options: steel, stainless steel and Ferrocast.

The system has been designed and tested showing it meets the requirements of PAS 68 and achieved a successful certificated rating.