



Technical Specifications

	Impeder 30S	Impeder 50S
Bollard Diameter	219 mm	324 mm
Height Above Ground	1,000 mm	1,006 mm
Foundation Depth	400 mm (or cont.)	300 mm (or cont.)
Post Spacing	1,400 mm	1,500 mm
Security Rating	BSI PAS 68: 2010 V/7500(N2)/48/90:0.0/0.0 <i>Minimum tested array – 2 units</i>	IWA 14-1: 2013 V/7200[N2A]/80/90:3.0 <i>Minimum tested array – 2 units</i>
Security Rating	Steelwork, hot-dip galvanised to BS EN ISO 1461. Alternative aesthetic options are available to suit client requests such as powder coating.	
Operation Type	Fixed, Shallow High-Security Bollards	

IMPEDER BOLLARDS – 30 S & 50 S

Product Overview

Brought to you by Hill & Smith Barriers, the Bristorm IMPEDER range of fixed, high-security bollards are made up of standard CHS sections, casting concrete or socketed.

The IMPEDER range of bollards has successfully withstood a range of different impact tests certifying the range to be compliant with the BSI PAS 68 & IWA 14 standard at different speeds to suit varying client risk profiles.

Set within either a concrete and rebar foundation or an 'I Beam', these products are supplied with full installation instructions and 'General Arrangement Drawings'.

The steelwork is hot-dip galvanised to BS EN ISO 1461 as standard. Other aesthetic finishes are available on client request such as powder coating to a specified RAL colour.

Bollards are ideal to protect areas which still require access for pedestrians. Unlike road blockers, fences and gates, bollards remain a friendlier and less alarming security measure for areas where security equipment is meant to blend into the surrounding environment. Bollards also aid pedestrian flow through densely-populated areas such as fan zones outside stadiums or to protect railway concourses or airport terminal buildings.