

# Impeder Bollards

Operation Type: Fixed, High Security Bollards

**bristorm**



## Product overview

The Bristorm IMPEDER range of fixed, high security bollards are made up of standard CHS sections, cast-in 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 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 or, fitting an aesthetic sleeve.

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.

### Security Rating (PAS 68)

Performance ratings: BSI PAS 68 & IWA 14-1.  
Penetration achieved: 0.0-10.6 m.

### Finishes

Steelwork, hot-dip galvanised to BS EN ISO 1461.  
Alternative aesthetic options are available to suit client requests such as powder coating and aesthetic sleeves.

IMPEDER BOLLARDS			
	Impeder 30	Impeder 40	Impeder 50
Height	1,005 mm	1,005 mm	1,005 mm
Diameter	219 mm	273 mm	273 mm
Foundation Dimensions (mm)	600 x 600 cont.	750 x 750 cont.	750 x 750 cont.
Minimum Arrangement	Twin bollards	Twin bollards	Twin bollards
Post Spacing	1,415 mm	1,470 mm	1,470 mm
Test Specification	BSI PAS 68	BSI PAS 68	BSI PAS 68
Test Rating	V/7,500[N2]/48/90:0.0/0.0	V/7,500[N2]/64/90:3.3/0.0	V/7,500[N2]/80/90:10.6/11.1

