

STOPPER BOLLARDS

Operation Type: Fixed, High Security Bollards



PRODUCT OVERVIEW

Brought to you by ATG Access, the Bristorm STOPPER bollards comprise of CHS section with, if required, a pedestrian guardrail as per BS 7818.

The individual, high security bollards are comprised of a standard 139/168 CHS HR section cast-in concrete. They can be installed as stand-alone products to protect sites against lower velocity attacks and also accidental impact. The product can also be built into pedestrian guardrail to be combined as a security and safety feature to keep pedestrians safe and vehicles excluded from an area or walkway.

The Bollards are to be spaced at a maximum length of 1,360 mm or 1,330 mm center to center.

This is to ensure that the product meets the BSI PAS 68 accreditation and is installed as tested.

The 'Class 4D Guardrails' are bolted to the bollards with shear nuts. The Bollards have additional lugs (50x10-55lg) mild steel when a guardrail is required.

The height of the guardrails shall be 1,005 mm from the finished ground level.

All guardrails and bollards are hot dipped galvanized to BS EN ISO 1461 after fabrication.

Additional coatings can be applied to achieve specific project coating thickness or specific client aesthetic requirements.

SECURITY RATING (PAS 170)

STOPPER 10: V/2,500/16/90:0.1
STOPPER 20: V/2,500/32/90:1.8

FINISHES

Steelwork, hot-dip galvanized to BS EN ISO 1461; strands zinc plated and HDPE coated as per EN 10264-2:2002 or EN 10255-2. Thicker coatings and powder coatings are available on client request.

STOPPER BOLLARDS

	STOPPER 10	STOPPER 20
Height	1,005 mm	1,005 mm
Foundation Dimensions (mm)	600 x 600 x 725 – Rebar Required	600 x 600 x 725 – Rebar Required
Minimum Array	Single Bollard	Single Bollard
Post Spacing	1,330 mm	1,360 mm
Angular Corner Range	55° to 175°	55° to 175°
Test Specification	BSI PAS 170	BSI PAS 170
Test Certification	PAS 170: V/2,500/16/90:0.1	PAS 170: V/2,500/32/90:1.8
Diameter	140 mm	168 mm