

bristorm Bollard

The Bristorm Bollard is a very simple form of anti-vehicle barrier.

Developed to complement the Bristorm anti-vehicle fence, the Bristorm bollard is ideal for protecting small areas of a perimeter from vehicle ramming attack.

Manufactured from steel tube and cast into a reinforced concrete foundation the Bristorm Bollard can be installed individually, in small groups, or as a complete perimeter line. The flexibility of the Bristorm Bollard allows complex areas to be protected economically, and provides an easy way of increasing the security of small awkward areas.

Bollards have the novel feature of being able to allow pedestrians to pass through the perimeter with the minimum of obstruction, but yet provide an effective countermeasure to unauthorised vehicle access.

The Bristorm Bollard is an economical and functional product, with a galvanised finish as standard. Options for painting and powder coating are also available, as well as stainless steel covers in a range of designs.

SPECIFICATION

- Bristorm Bollard tested to BSI PAS 68
- Bristorm Bollard withstands attack by 7500 kg truck travelling at 50 mph (80 km/h)

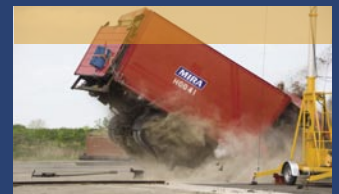
THE BENEFITS

- Economical option for short lengths of perimeter
- Integrate with other Bristorm products
- No maintenance
- Galvanised to EN ISO 1461:1999 for corrosion protection
- Paint or powder coat finish available
- Stainless Steel cover designs available
- Permits pedestrians to pass through the perimeter
- Immobilises attacking vehicle
- Ability to withstand subsequent encroachment



Above & top: Bristorm Bollard with optional stainless steel cover.

Left: Bristorm Bollard with standard galvanised finish.



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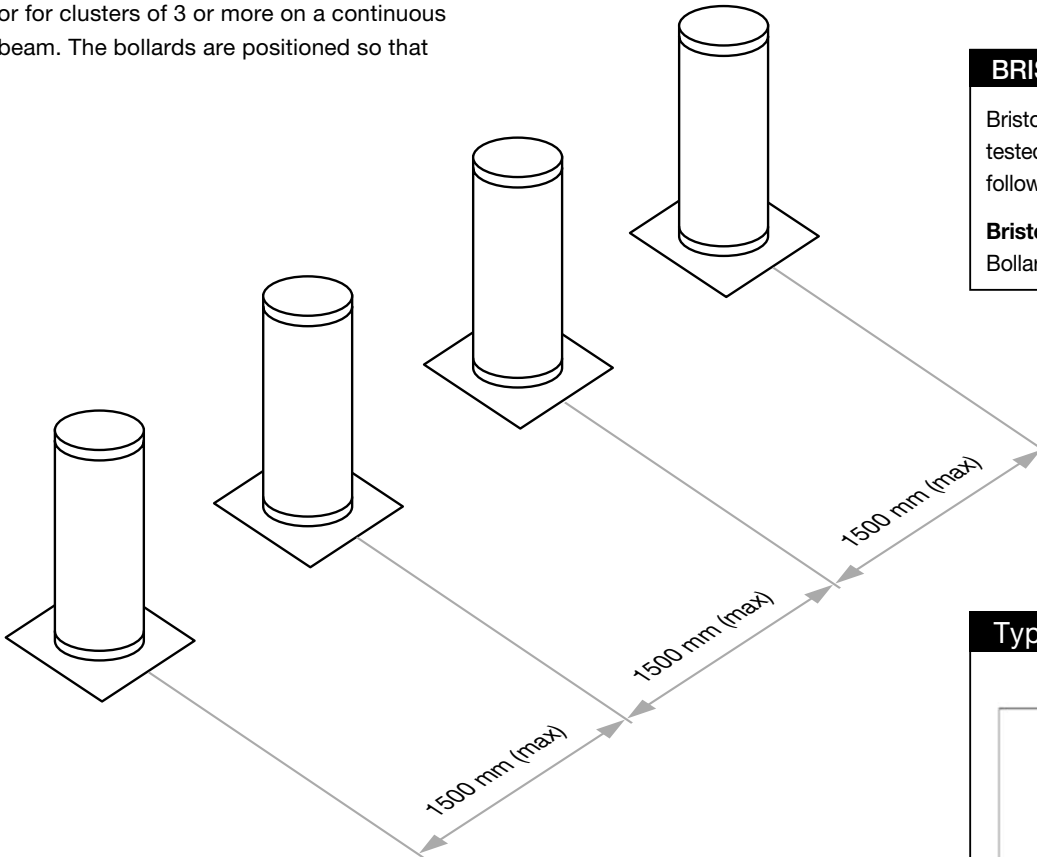
DESIGN SPECIFICATION

The Bristorm Bollard is a steel tube with top and foot plates welded to each end. The foundation is reinforced with a steel cage and utilises C50 concrete.

Foundation drawings are available upon request. The standard foundation options are for individual bollards, pairs of bollards, or for clusters of 3 or more on a continuous beam. The bollards are positioned so that

the gap between neighbouring bollards is no more than 1200 mm. The best way to specify this is to set out the bollards with 1500 mm between centres.

Bollards can be installed in straight lines or curves so long as the spacing between bollards is less than 1200 mm.



SYSTEM

Bristorm Bollard

BOLLARD DIAMETER

(a) 323 mm

BOLLARD HEIGHT

(b) 1000 mm

MAXIMUM POST SPACING

Between centres: 1500 mm

BRISTORM BSI PAS 68 TESTING

Bristorm Bollards have been successfully tested to BSI PAS 68 and achieved the following classifications:

Bristorm Bollard

Bollard V / 7500 / 80 / 90 : 0.8 / 18.1

Typical Bollard cover designs

