

DURA-POST® FLEXIBLE BOLLARD SYSTEM

Product Codes FBL, FKL Series

DIMENSIONS AND SPECIFICATIONS

WIDTH	63mm diameter with 50nb
LENGTH	1000mm, 1300mm, 1500mm, 1800mm
EXPOSED LENGTH ABOVE GROUND (RECOMMENDED)	1000mm (minimum)
SHAPE	High Strength Engineered Polymer, Polyurethane joint and anchor

DESCRIPTION

Classified as a fully flexible bollard, The Dura-Post Flexible Bollard System can bend 360° on impact and self align to the vertical position without maintenance. In the instance, the polymer post does become damaged; the post top can be replaced without the need to dig another hole or drive another post in its place.

The Bollard Flexible System is available in two assemblies, the anchor and the post plus the inline bollard is supplied in one piece. The anchor denotes the depth and sticker establishes batch, manufacture date and end of warranty date. The two-part post has several installation options consisting of round surface mount plate, standard bollard surface mount plate, T-Pipe sleeve, V Lock Sleeve, Large Driveable Anchor or a variety of ground sockets. The bollard is 50nb that can fit standard sign and light brackets for fixing signage such as keep left signs.

CONSTRUCTION

Product Structure

The **Dura-Post Flexible Bollard System** is made up of the following components:

- Post; The HSEP (High Strength Engineered Polymer) is manufactured to a smooth round shape to fit the

red polyurethane joint. The bollard post top is white in colour with UV stabilisation, can be easily cleaned, is fully recyclable and is self-extinguishing and will absorb but not support combustion.

- Flexible Joint; the polyurethane flexible joint is housed in a pressed galvanised metal plate known as the acceptor plate, for connection to the drivable anchor with a tamper resistant bolt.
- Anchor; There are a variety of anchor options to suit the application designed to attach easily.
- Inline Bollard; has the same components as previously described with a slightly different configuration designed to slot the red polyurethane joint directly into the ground socket. The red polyurethane joint has a specially designed coil spring encased in the polyurethane compound.

PHYSICAL PROPERTIES AND PERFORMANCE

The Dura-Post Bollard System is capable of retaining 85% of its colour, appearance and physical properties for at least five years when exposed to weather condition in both heat and cold.

Vehicle impact testing has proven the bollard is capable of withstanding two bumper bar impacts at a speed of 40km/h, two bumper bar impacts

at a rate of 80km/h and two bumper bar impacts at a speed of 100km/h directed at the front face of the bollard.

This product complies with the widely accepted definition of a Flexible Bollard, i.e. a bollard that deflects when impacted by a vehicle and then returns to a vertical position, without maintenance intervention. Additionally, it shall not shatter into multiple parts on impact after being struck. The bollard shall not project a dangerous impaling section.

COMPLIANCE

The Flexible Bollard complies with Australian Standards AS1742.2 -1994 and under the procedures specified in AS 1214 as well as the following:

- Queensland Department of Main Roads MRTS14 Dec13
- New South Wales RMS D&C 3412 Dec13
- VIC ROADS Traffic Eng. Manual Vol 2 Chapter 23 Dec 2001 clauses 23.1 to 23.2.2
- Main Roads Western Australia specification 602 /2007 Clauses 601.01 to 602.149(b) as applicable
- Tasmania Department of Infrastructure Energy and Resources R62.7
- Northern Territory Road projects Division Traffic Control Devices Section 4

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QUALITY ASSURANCE

Roadside Products has ISO9001 accreditation – certificate can be available on request.

DELINEATION

Delineation can be fitted front and rear of post for visibility to suit state and national specifications Class 1A 10,000mm² (50 x 200mm) or 5,000mm² (50 x 100mm)

PACKAGING

Posts are packaged in bundles of twenty and palletised to suit.

WARRANTY

Roadside Products offers a 5-year manufacturer's limited warranty for the flexible bollard system.

TERMS

This information and our technical advice, whether verbal, in writing or by way of trials, are given in good faith but without warranty. This also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided, especially that contained in our safety data and technical information sheets, and to test our products as to their suitability for the intended processes and uses.

The application use and processing of our products and the products used by you based on our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.