



BOLLARDS

TECHNICAL INSTALLATION GUIDE





Bollards

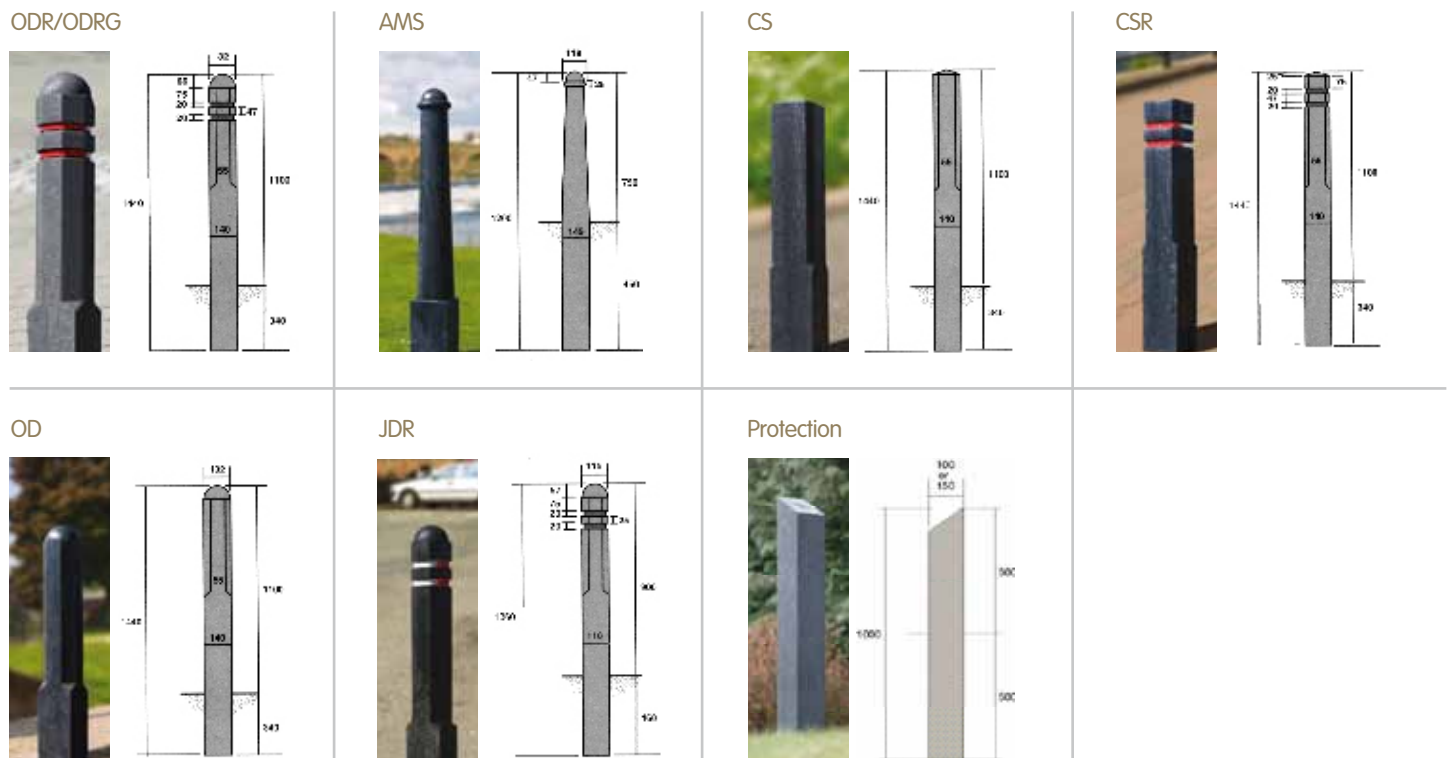
TECHNICAL INSTALLATION GUIDE

1

Installation

A minimum below ground depth of 450mm to 500mm and 400mm square is recommended. Setting in concrete is preferred to a concrete strength of approximately 23Kn. Positioning pegs are available for keying into concrete when the bollards would be supplied with a pre-drilled hole, about 200mm up from the base, to accept the pegs.

Product Range – Square Based Bollards



Name	Code	Height (From ground level)	Total Length	Base Width / Diameter	Colours Available
Octagonal section with dome top and rings.	ODR/ODRG	1100mm	1440mm	140mm	Available in black.
'Amsterdam' Taper dome top.	AMS	750mm	1200mm	145mm	
Chamfered square section without rings.	CS	1100mm	1440mm	140mm	
Chamfered square section with rings.	CSR	1100mm	1440mm	140mm	
Octagonal section with dome top, without rings.	OD	1100mm	1440mm	140mm	
Mini octagonal section with dome top and rings.	JDR	900mm	1360mm	118mm	
Protection Bollards with angled tops.	Protection	500mm	1000mm	100mm ² or 150mm ²	



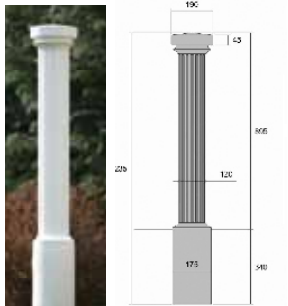
Bollards

TECHNICAL INSTALLATION GUIDE

2

Product Range – Round Based Bollards

DUBLINER



TESCO SPEC



VARIOUS 1



VARIOUS 2



VARIOUS 3



Name	Code	Height (From ground level)	Total Length	Base Width / Diameter	Colours Available
Dubliner	Dubliner	895mm		175mm	Available in Black or White
Tesco Spec Bollard	Tesco Spec Bollard	1100mm	1500mm	120mm	
Various 1, 2 & 3	N/A		1500mm or 1100mm	100mm, 120mm or 150mm	



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TECHNICAL INSTALLATION GUIDE

3

Additional Options

Ground Fixing:

Positioning peg for a better key into the concrete is available at an extra cost of £2.50 per bollard.

Steel Inserts:

Bollard available for this option are:

150mm and 120mm round, square types CSR, CS, ODR and OD

Manufactured from mild steel, the insert goes into the bollard by 500mm and then protrudes from the base by 150mm, which is where the majority of the impact occurs. As we supply shorter length bollards, the internal part of the insert would be at a pro-rata length to suit the shorter body with the same protrusion.

Sockets:

Available to suit all bollards in the range. The sockets are finished with Hammerite black paint. We offer three types which allow the bollards to be removed completely, become collapsible or surface mounted.

Eyebolt & Chainlink:

Eyebolts can be fitted on site to any of our bollard types. We will supply the eyebolts with bollards pre-drilled to accept them. We do not supply the chainlink. Cost for this service is an additional £2.00 per bollard.

