



# GUARDLINE OBSTRUCT-R BOLLARDS

## HEAVY DUTY BOLLARDS

Obstruct R is a heavy-duty security bollard designed to create reliable barriers and withstand demanding environments.

With a 12.5 mm thick steel structure and concrete filling, it provides stable and long-lasting protection against accidental vehicle contact and unauthorized access.

It is intended for environments where an extra-robust physical barrier is required, but where crash-tested bollards are not necessary.

## TWO STANDARD CONFIGURATIONS

The bollards are available in two different configurations – either with a base plate for bolting into concrete, or without a base plate for casting into the ground.

The bollards with a base plate come in standard heights of 900 mm and 1200 mm, with additional heights available on request.

The bollards without a base plate come in standard above-ground heights of 900 mm

and 1200 mm. The total height of the bollard is typically 1500 mm or 2100 mm, respectively.

## WARRANTY

Our bollards come with a 7-year structural warranty under normal conditions. The powder coating carries a 5-year warranty.

## INSTALLATION

Installation depends on the site conditions. The shorter version is typically installed using a cast-in sleeve with a minimum diameter of 400 mm. The bolt-down bollards are mounted using expansion bolts or chemical anchors, depending on the circumstances. Both versions are filled with concrete.

## TECHNICAL DATA

Description	Bolted	Cast-in
Height (mm)	900   1200	900   1200
Total height (mm)	900   1200	1 500   2100
Diameter (mm)	168mm	168mm
Foot dimension (mm)	300x300	N/A
Finish	Galvanised and powder coated	