

## GRATING - Stormwater

### Stormwater Gratings & Frames

#### Construction

Manufactured from B60 GRATING - fusion welded grating with a bearer bar pitch of 40mm and a transverse bar pitch of 60mm. The bearer bar size is 50 x 4.5mm. All stormwater gratings are fully banded and can support various concentrated loads. (See loading tables). Angle frames of size 50 x 50 x 5mm can be supplied if required.

These gratings are suitable for water drainage in many applications eg. roads, pavements, highways, gutters, factories etc.

#### Standard Sizes

Size (mm)	Uncoated Mass
300 x 500	8 kg
300 x 1000	16 kg
500 x 500	14 kg

### Trench Covers

#### Construction

Trench covers are made from GRATING RS40 type grating with a bearer bar and transverse bar pitch of 40mm. They are banded along the span only.

#### Note

O.E.S. grating in narrow panels like trench covers, is not recommended where grating has to carry heavy wheeled traffic. Banding is welded on to the bearer bars in these cases to prevent the grating from curling up when heavy loads are applied.

These trench covers can be easily removed when trenches require cleaning. All trench covers are 1000mm wide and any trench length can be covered by using several individual gratings.

#### Materials & Finishes

Material	Finish
Mild Steel	Uncoated
	Bitumen dipped
	<b>Note:</b> The bitumen coated grating supplied as a standard to our grating is not a protective coating as such, and deteriorate if exposed to the elements.
	Galvanised
	Other on application



Stormwater Grating

#### Materials & Finishes

Material	Finish
Mild Steel	Uncoated
	Bitumen dipped
	<b>Note:</b> The bitume coated grating supplied as a standard to our grating is not a protective coating as such, and deteriorate if exposed to the elements.
	Galvanised
	Other on application
Stainless Steel	Uncoated
Type 304 & 316	Pickled and
	Passivated
3CR12	Uncoated
	Pickled and
	Passivated



Trench Cover

### Safe Load Tables & Standard Sizes

Bearer Bar Size	Standard Size	Uncoated Mass	Pneumatic Wheel Load	Uniformly Distributed Load	Concentrated Load
(mm)	(mm)	(kg)	(kg)	(kg/m <sup>2</sup> )	(kg/m width)
25 x 4.5	325 x 1000	11	700	11400	2400
30 x 4.5	325 x 1000	13	1100	19600	3450
40 x 4.5	325 x 1000	16	1900	37300	6200
30 x 4.5	500 x 1000	19	600	8300	2250
50 x 4.5	500 x 1000	29	1700	25000	6250