



Technical data sheet

Heavy-duty mesh grate



Manufacturer

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Metal goods manufacture and distribution
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Product description

The heavy duty mesh grating is a box gutter cover grating with a spring system.

The grate is manufactured in stainless steel V2A and in hot-dip galvanised steel.

Load class

The heavy-duty mesh grating is available for two load classes:

- C250 (*car accessible*)
- D400 (*truck accessible*)

Dimensions

Inlet width	Nominal dimension	Height	Mesh size
150 mm	DN 100	20 mm	30 x 10 mm
200 mm	DN 150	20 mm	30 x 10 mm

The standard grating length is 1,000 mm in each case. Special sizes are possible on customer request.

Inlet cross-sections of the grates

Inlet width 150 mm: 922 cm²/m

Inlet width 200 mm: 1.295 cm²/m

Slip resistance

The slip resistance of the grates corresponds to slip rating class R10.



Clear mesh size

The requirements of the German Social Accident Insurance (*DGVU-Information 208-007 Gratings - Selection and Operation*) are met. The clear mesh width must not exceed 10 mm to ensure safe access.

Rust lock

Grate locks are integrated in the product as standard.

Accessories

- Corners, factory-prepared, side length 500 mm

Materials used

We use only European material from Germany, Sweden, France and Italy for our grates.

Material specification

Stainless steel V2A (1.4301), hot-dip galvanised steel

Processing and care instructions

The grates can be cut to size. However, it must be ensured that the cutting medium (e.g. *saw blade, cutting disc, etc.*) is absolutely clean or does not contain any components of other metals, as otherwise corrosion may occur.

Dust particles of other metals or general cutting of components with flying sparks on the product are generally to be avoided. If dust particles or soiling of other metals are present, these must be removed immediately with appropriate cleaning agents.

The grates must not be cleaned with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner.

Further installation & usage instructions as well as information on the material can be found at:

<https://www.richard-brink.de/en/downloads/overview.html>