



Technical data sheet

Gully grate with perforation



with round perforation



with square perforation



with rectangular perforation



with narrow slit perforation



with wide slit perforation

Manufacturer

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Product description

Gully gratings with perforation are gully cover gratings with perforations in various shapes.

There is a choice of five different variants for the perforation:

1. with round perforation
2. with square perforation
3. with rectangular perforation
4. with narrow slit perforation
5. with wide slit perforation

The grates are available in stainless steel (V2A) and hot-dip galvanised steel.

Load class

The gully gratings with perforation are designed in accordance with load class A15 (*walkable*).

Grate dimensions

1. with round perforation

Stainless steel version

<u>Inlet dimensions</u>	<u>Height</u>	<u>Circle Ø</u>
250 x 250 mm	10 mm	8.5 mm
	20 mm	8.5 mm
400 x 400 mm	10 mm	8.5 mm
	20 mm	8.5 mm
500 x 500 mm	20 mm	8.5 mm



Execution in hot-dip galvanised steel

<u>Inlet dimensions</u>	<u>Height</u>	<u>Circle Ø</u>
250 x 250 mm	20 mm	8.5 mm
400 x 400 mm	20 mm	8.5 mm
500 x 500 mm	20 mm	8.5 mm

2. with square perforation 8 x 8 mm

Stainless steel version

<u>Inlet dimensions</u>	<u>Height</u>	<u>Square</u>
250 x 250 mm	10 mm	8 x 8 mm
	20 mm	8 x 8 mm
400 x 400 mm	10 mm	8 x 8 mm
	20 mm	8 x 8 mm
500 x 500 mm	20 mm	8 x 8 mm

Execution in hot-dip galvanised steel

<u>Inlet dimensions</u>	<u>Height</u>	<u>Square</u>
250 x 250 mm	20 mm	8 x 8 mm
400 x 400 mm	20 mm	8 x 8 mm
500 x 500 mm	20 mm	8 x 8 mm

3. with rectangular perforation 30 x 5 mm

Stainless steel version

<u>Inlet dimensions</u>	<u>Height</u>	<u>Rectangle</u>
250 x 250 mm	10 mm	30 x 5 mm
	20 mm	30 x 5 mm
400 x 400 mm	10 mm	30 x 5 mm
	20 mm	30 x 5 mm
500 x 500 mm	20 mm	30 x 5 mm



Execution in hot-dip galvanised steel

<u>Inlet dimensions</u>	<u>Height</u>	<u>Rectangle</u>
250 x 250 mm	20 mm	30 x 5 mm
400 x 400 mm	20 mm	30 x 5 mm
500 x 500 mm	20 mm	30 x 5 mm

4. with narrow slit perforation 30 x 5 mm

Stainless steel version

<u>Inlet dimensions</u>	<u>Height</u>	<u>Slot</u>
250 x 250 mm	10 mm	30 x 5 mm
	20 mm	30 x 5 mm
400 x 400 mm	10 mm	30 x 5 mm
	20 mm	30 x 5 mm
500 x 500 mm	20 mm	30 x 5 mm

Execution in hot-dip galvanised steel

<u>Inlet dimensions</u>	<u>Height</u>	<u>Slot</u>
250 x 250 mm	20 mm	30 x 5 mm
400 x 400 mm	20 mm	30 x 5 mm
500 x 500 mm	20 mm	30 x 5 mm

5. with wide slit perforation 30 x 10 mm

Stainless steel version

<u>Inlet dimensions</u>	<u>Height</u>	<u>Slot</u>
250 x 250 mm	10 mm	30 x 10 mm
	20 mm	30 x 10 mm
400 x 400 mm	10 mm	30 x 10 mm
	20 mm	30 x 10 mm
500 x 500 mm	20 mm	30 x 10 mm



Execution in hot-dip galvanised steel

<u>Inlet dimensions</u>	<u>Height</u>	<u>Slot</u>
250 x 250 mm	20 mm	30 x 10 mm
400 x 400 mm	20 mm	30 x 10 mm
500 x 500 mm	20 mm	30 x 10 mm

Special sizes are possible on customer request.

Inlet cross-sections of the grates

1. with round perforation Ø 8.5 mm

Inlet width 250 x 250 mm:	89.0 cm ²
Inlet width 400 x 400 mm:	227 cm ²
Inlet width 500 x 500 mm:	346 cm ²

2. with square perforation 8 x 8 mm

Inlet width 250 x 250 mm:	100 cm ²
Inlet width 400 x 400 mm:	256 cm ²
Inlet width 500 x 500 mm:	400 cm ²

3. with rectangular perforation 30 x 5 mm

Inlet width 250 x 250 mm:	113 cm ²
Inlet width 400 x 400 mm:	228 cm ²
Inlet width 500 x 500 mm:	450 cm ²

4. with narrow slit perforation 30 x 5 mm

Inlet width 250 x 250 mm:	109 cm ²
Inlet width 400 x 400 mm:	278 cm ²
Inlet width 500 x 500 mm:	434 cm ²



5. with wide slit perforation 30 x 10 mm

Inlet width 250 x 250 mm: 209 cm²

Inlet width 400 x 400 mm: 535 cm²

Inlet width 500 x 500 mm: 836 cm²

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 (DGUV-Information 208-007 Gratings - Selection and Operation) are met. The clear mesh width must not exceed 10 mm to ensure safe walking and driving on.

Materials used

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

Material specification

Stainless steel V2A (1.4301) and hot-dip galvanised steel.

The material thickness is 1.5 mm in each case

Accessories

- corners, factory prepared
- grate locks made of stainless steel and 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, otherwise corrosion may occur. All interfaces (hot-dip galvanised steel) must be cold re-galvanised. In general, we recommend custom-made products ex works, as these are properly galvanised afterwards.

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/downloads/gesamtuebersicht.html>