



## Technical data sheet

### Double slotted grate Gemini



### Manufacturer

Richard Brink GmbH & Co. KG  
Metal goods manufacture and distribution  
Görlitzer Str. 1  
D-33758 Schloß Holte-Stukenbrock  
Phone: 0049 (0)5207 9504-0  
Fax: 0049 (0)5207 9504-20

Status: 02/22



## Product description

The Gemini double slotted grating is a gutter cover grating with two drainage slots arranged on the sides. The water flows through the slots into the channel body.

There is a choice of two surface finishes:

1. surface made of stainless steel (V2A), grinded, factory-prepared.
2. inlet prepared for a stone inlay according to customer requirements

With the second variant, the installation height of the entire channel increases according to the selected height of the stone (20 mm or 30 mm), see dimensions.

## Load class

The double slotted grating is designed in accordance with load class A15 (*walkable*).

## Grating dimensions

1. surface made of stainless steel (V2A)

<u>Inlet width</u>	<u>Grate width</u>	<u>Grate height</u>	<u>Grate length</u>	<u>Slots</u>
100 mm	96 mm	20 mm	1,000 mm	2 x 8 mm
140 mm	136 mm	20 mm	1,000 mm	2 x 8 mm
160 mm	156 mm	20 mm	1,000 mm	2 x 8 mm
200 mm	196 mm	20 mm	1,000 mm	2 x 8 mm

The material thickness is 3.0 mm.



## 2. inlet for one stone insert

- Inlet for 20 mm high stone insert

Inlet width	Grate width	Grate height Support surface	Grate height Support bar	Slots	Stone Inlet	Stone dimension
100 mm	96 mm	33 mm	40 mm	2 x 8 mm	73 mm	71 mm
140 mm	136 mm	33 mm	40 mm	2 x 8 mm	113 mm	111 mm
160 mm	156 mm	33 mm	40 mm	2 x 8 mm	133 mm	131 mm
200 mm	196 mm	33 mm	40 mm	2 x 8 mm	173 mm	171 mm
250 mm	246 mm	33 mm	40 mm	2 x 8 mm	223 mm	121 mm

The total height (*incl. channel body*) increases by 13 mm.

The standard grating length is 1,000 mm in each case.

The material thickness is 2.0 mm.

- Inlet for 30 mm high stone insert

Inlet width	Grate width	Grate height Support surface	Grate height Support bar	Slots	Stone Inlet	Stone dimension
100 mm	96 mm	43 mm	50 mm	2 x 8 mm	73 mm	71 mm
140 mm	136 mm	43 mm	50 mm	2 x 8 mm	113 mm	111 mm
160 mm	156 mm	43 mm	50 mm	2 x 8 mm	133 mm	131 mm
200 mm	196 mm	43 mm	50 mm	2 x 8 mm	173 mm	171 mm
250 mm	246 mm	43 mm	50 mm	2 x 8 mm	223 mm	21 mm

The total height (*incl. channel body*) increases by 23 mm.

The standard grating length is 1,000 mm in each case.

The material thickness is 2.0 mm.

### Clear mesh width

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



## **Materials used**

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

## **Material specification**

Stainless steel V2A (1.4301).

## **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. 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 sparks flying onto 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>