



Technical data sheet

Rigolen gutter Rigoletto



Manufacturer

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

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Product description

The infiltration channel is open at the bottom, where rainwater can be temporarily stored and slowly released into the subsoil, as water flowing in through the missing soil can be drained directly into the gravelled base layer of the subsoil. The side sections are welded together by means of struts (gutter stiffeners). Wall anchors are located on the struts.

The surface water is directed via the grates into the insert, which acts as a retention system. Through a slot in the centre of the insert, the water enters the retention/infiltration area. Rain is left where it falls. There is no need for further drainage. This prevents/reduces the lowering of the groundwater level.

Connection to roof surfaces is also possible in order to drain water that accumulates with the gutter.

Optionally, there is the possibility of using a gravel reservoir for storage.

By means of the insert, dirt and small particles (*leaves, litter, sweepings, etc.*) are retained.

These channels are particularly suitable for sealed areas where large amounts of water occur but there is no direct connection to the sewer system. The surface water can seep away on site.

The cover (*grating*) can be designed either as a mesh grating, longitudinal bar grating or cross bar grating. You will find suitable gratings in our range.

Load class

The channel withstands a wheel load of 5 - 10 tonnes.



Dimensions

The gutter is supplied in this standard dimension.

Inlet width: 410 mm

Height: 370 mm

The delivery length is 1,000 mm. Special lengths or scaling are possible on customer request. The channel and grates are made of stainless steel (V2A) and hot-dip galvanised steel. The material thickness of the channel body is 4.0 mm. The insert is made of stainless steel (V2A).

Materials used

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

Material specification channel body and grate

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

Material thickness: 4.0 mm (*channel*)

Processing and care instructions

The infiltration trench is concreted in with lateral back supports up to below the grating support and thus receives its actual stability. To the side of this, the usual construction of paved areas can take place.

It stands on a layer of gravel so that the surface water can seep away. When installed on a drainable substrate, an additional gravel bed on a fleece can be placed underneath the channel to gain additional storage space. No gravel is filled into the actual channel body.

The gutters 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. In general, we recommend custom-made products ex works to prevent the problem of corrosion.



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.

Cleaning the gutters must not be done with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner. Regular cleaning is recommended.

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

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