



## Technical data sheet

# Heavy duty slotted channel Lamina Magna



### 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

Status: 02/2022



## **Product description**

The Lamina Magna heavy-duty slotted channel is a drainage channel that can be used in the heavy-duty range up to class D400 (*following*). The channel is manufactured from 3.0 mm or 4.0 mm thick sheet metal made of stainless steel or hot-dip galvanised steel and is factory-assembled ready for installation.

Inspection or flushing cisterns, manufactured to fit the respective channel, are available on customer request.

## **Dimensions**

The slotted channel is manufactured exclusively on customer request. The customer determines the overall width, height, neck height and slot width. The material thickness is selected according to the desired load class (*3.0 mm: following C250; 4.0 mm: following D400*).

Standard channel length: 1,000 mm  
with 3.0 mm sheet thickness also 1,500 mm possible

## **Materials used**

The slotted channel is manufactured in stainless steel V2A (1.4301) or hot-dip galvanised sheet steel.

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

## **Accessories**

The following accessories can be supplied:

- end pieces (*right, left*)
- connector

## **Important note**

When installing on a sealed concrete slab (*balconies, roof areas*), a protective film (*made of suitable material, e.g. EPDM film*) must be installed between the gutter and the waterproofing membrane at least to the width of the gutter in order to permanently protect the waterproofing.



## Inspection/flush box with lock box



Locking box

Revision / cistern

The inspection boxes (*with side drain or floor drain*) or the cisterns (*without drain*) are manufactured according to the ordered dimensions of the slot channels.

Here, too, the dimensions are determined by the customer. The material thickness is 3.0 or 4.0 mm.

The locking box can be provided with a paving, the construction height is adapted to the respective slot neck or can be adapted to the respective covering surface. Handles can be screwed on to remove the closure box.

## Important notes

The drainage channel and the inspection/cisterns must be completely enclosed in concrete.

Our installation and use instructions apply, as well as the regulations mentioned there.

## Processing and care instructions

The drainage channels must also be laid in accordance with the waterproofing manufacturer's specifications (*e.g. bitumen manufacturer, sheeting manufacturer, etc.*) if necessary, and precautionary measures e.g. construction protection mats must be laid.



The drainage channels 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.

Cleaning the slot gutters must not be done with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner. The gutters can be flushed from the cisterns using a hose with a flushing head.

If the gutter is used under canopies or roofing, it should be checked regularly for contamination and flushed as necessary, as only a little water is drained away and more deposits occur.

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

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