



Technical data sheet

FerroMax



Manufacturer

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Product description

The FerroMax water collection channel is a channel body that can quickly absorb large amounts of precipitation in traffic areas as well as in all other sealed surfaces in urban areas. It can be adjusted in dimensions according to the respective project sizes. Due to the large capacity of the gutters, rainwater can initially be temporarily stored and released continuously in a controlled manner through the connection to the sewer system. The frames, which also serve as grate covers, are made of 4 mm thick material. The stud structures, made of 2 mm thick material, facilitate the alignment of the gutters and at the same time form the concrete anchors for the firm fixation with the substrate. Connecting struts between the frames provide additional stability. Since the real channel bodies are used as a kind of lost formwork, they are made of thinner-walled material at 1.5 mm.

Dimensions and material

Length: 1,000 mm (desired lengths possible)

Total width	Nominal width	Installation height	Storage volume*
388 mm	DN 300	380 mm	102 l
588 mm	DN 500	600 mm	266 l
1,088 mm	DN 1000	1,130 mm	900 l

*larger storage volumes on request

At the customer's request, all dimensions can be modified and delivered as a custom-made product.

Possible drain nozzles

DN 50, DN 70, DN 100, DN 150, DN 200

Material

Frames and stud work: Frames: 4 mm, stud movement: 2 mm hot-dip galvanized steel or stainless steel

Gutter / Lost formwork: 1.5 mm hot-dip galvanized steel or stainless steel

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



Load classes

Based on class D400 and E600 (depending on the concrete foundation and grating), the grates can withstand wheel loads of 5 to 10 tons.

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

Processing and care instructions

If necessary, the channel must also be laid in accordance with the instructions of the waterproofing manufacturers (e.g. bitumen manufacturers, film manufacturers, etc.), and if necessary, precautionary measures, e.g. building protection mats, must be laid.

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

The gutters 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 and usage instructions as well as information on the material can be found at:

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