

# Product information



## ***Heavy-duty drainage has never been easier***

Ferro Magna heavy-duty channel from Richard Brink

Schloß Holte-Stukenbrock, 08.04.2026:

**Every single element installed into the floor surface of courtyards, garage entrances and ramps has to be able to withstand a huge amount of force – this rings especially true for dewatering systems. The company Richard Brink developed its Ferro Magna heavy-duty channel in response to this challenge, providing a lightweight yet highly resilient alternative to conventional concrete channels. It combines robust material properties with a sophisticated design principle, ensuring ease of use and reliable functionality.**

Concrete channels tend to be used in areas that are subject to heavy loads. They are, however, known to be susceptible to damage during installation or the steps that follow – laying the surrounding paving, for instance. Problems can also arise from individual elements shifting slightly as a result of them being improperly fixed in place. This is precisely where the Ferro Magna's sophisticated construction shines – with its low intrinsic weight, very convenient installation and extremely stable overall design. Compared with concrete channels, the Ferro Magna's entirely metal construction is able to yield briefly to forces, impact and shocks rather than breaking under them.

### **Robust construction with clever details**

The channel's solid construction is based around support profiles, which safely divert any forces into the foundation. Moreover, the channel body, which takes the form of casing troughs, is available in various dimensions to suit the project requirements and installation location. Both the support profiles and also rail connectors are equipped with concrete anchors, which prove effective in preventing elements from lifting in the concrete foundation.

Besides this, stabiliser bars inside the channel act as carry handles – allowing

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the channel to be easily positioned on the construction site without the need for tools. The channel can therefore be installed with effortless ease, also by hand, which substantially minimises the risk of damage.

## **Broken channel? Not with the Ferro Magna**

Despite the reduced use of materials, the Ferro Magna satisfies the requirements of load class D 400. Whether in stainless steel or hot-dip galvanised steel, both materials ensure high resistance to shocks, impact and weather influences – even when faced with repeated strain or load peaks. This avoids damage during transportation, installation or subsequent processing and handling, for example when laying edging stones.

## **Adaptable, combinable, sustainable**

The Ferro Magna is available in widths of 156, 206 and 256mm and in four different heights: 80, 120, 170 and 220mm. The metal products manufacturer is also able to produce bespoke solutions at short notice. Drain nozzles, end pieces, inspection and flush boxes as well as a range of grating designs are also available – including cast and mesh gratings, longitudinal bar gratings and the Hydra Linearis designer grating. All components are well coordinated and designed for heavy-duty use.

With its flexible system architecture, assembly-friendly design and robust materials, the Ferro Magna provides a sustainable solution for all heavily frequented outdoor areas. It also impresses from an ecological perspective: the channel is completely recyclable, forgoes plastic components and presents a long-lasting alternative to traditional concrete channels.

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Richard Brink is a medium-sized family-run company from Eastern Westphalia, now managed by the second generation. In its 50-year history, the company has established itself on the market as an expert in metalware production. From product development and construction through manufacturing right up to advice and sales, the company manages and takes ownership of all processes in-house.

The product range comprises drainage and dewatering solutions, planting systems along with solutions for roof and wall areas, industrial applications, bathrooms and kitchens. Made-to-measure and custom-made products round off the comprehensive standard product range offered by the metal products manufacturer. Find out more at [www.richard-brink.de](http://www.richard-brink.de).

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