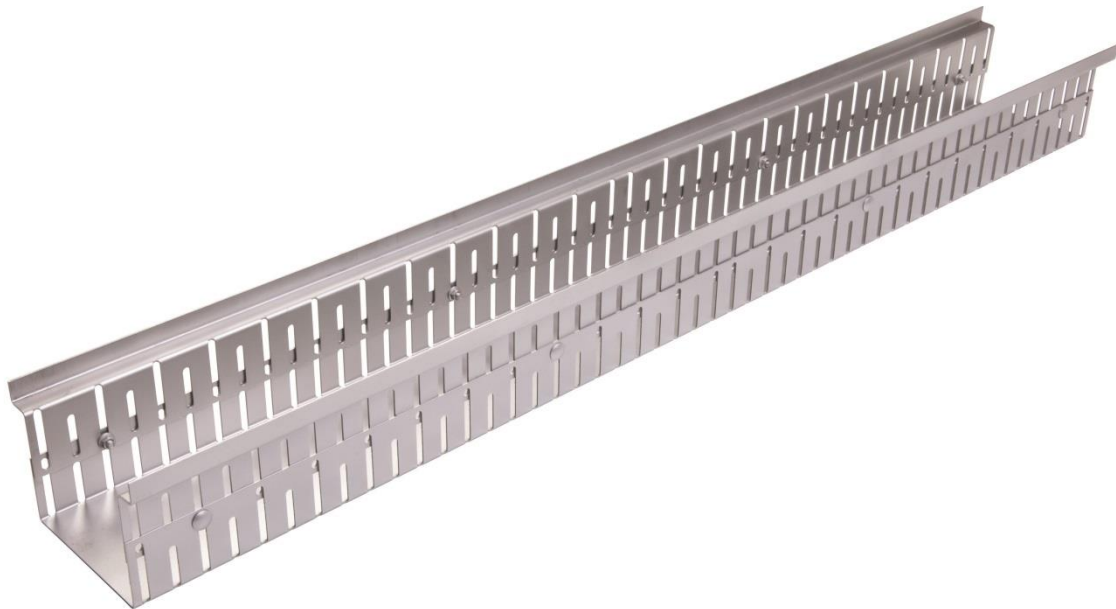




Technical data sheet

Height-adjustable drainage channel Hydra



Manufacturer

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Status: 02/22



Product description

The Hydra drainage channel is a height-adjustable channel body with integrated slotted holes (30x5 mm). The substructure consists of a box channel with lateral perforation. The grating rests on so-called side parts, which are also perforated. The height adjustment is realised by screwing the box gutter and the side parts together at the appropriate height using screws and nuts.

The cover (*grating*) is designed either as a mesh grating, longitudinal bar grating, cross bar grating, perforated plate or double slotted grating. All gratings from our range can be combined with the channel.

Load class

The channel is designed in accordance with load class A15 (*walkable*).

Dimensions

The gutter is supplied in the following standard dimensions:

Inlet widths:	100/140 mm
Heights respectively:	40-55*/54-69/70-100/100-160 mm

Inlet widths:	160/200/250 mm
Heights respectively:	54-69/70-100/100-160 mm

The standard channel length is 1,000 mm. One-piece lengths are available up to 3,000 mm on request.

The channel is available in stainless steel (V2A) and hot-dip galvanised steel. The thickness of both materials is 1.5 mm.

At the customer's request, all dimensions can be modified and supplied as custom-made products.

*Height 40-55 mm is only available in stainless steel



Outlet cross-section of the channel through lateral perforation and perforations

Height adjustment 65-95 mm (or 70-100 mm): one-sided 72.81 cm²/m (with 65 mm/70 mm) / one-sided 111.81 cm²/m (with 95 mm/100 mm)

Height adjustment 95-155 (or 100-160 mm): one-sided 111.81 cm²/m (at 95 mm/100 mm) / one-sided 183.31 cm²/m (at 95 mm/100 mm)

Larger outlet cross-sections by arrangement.

Accessories

-corner formations

-ends

Important notes

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.

When installing on a ballast base course, this must be sufficiently compacted to prevent subsequent settlement. The channel must rest on the base course.

Our installation instructions apply.

Materials used

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

Material specification Channel body and grate:

Stainless steel V2A (1.4301) or hot-dip galvanised sheet steel

Material thickness: 1.5 mm



Processing and care instructions:

If necessary, the drainage channels must also be laid in accordance with the specifications of the waterproofing manufacturers (e.g. *bitumen manufacturers, foil manufacturers, etc.*); if necessary, 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 gutters must not be done with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner.

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>