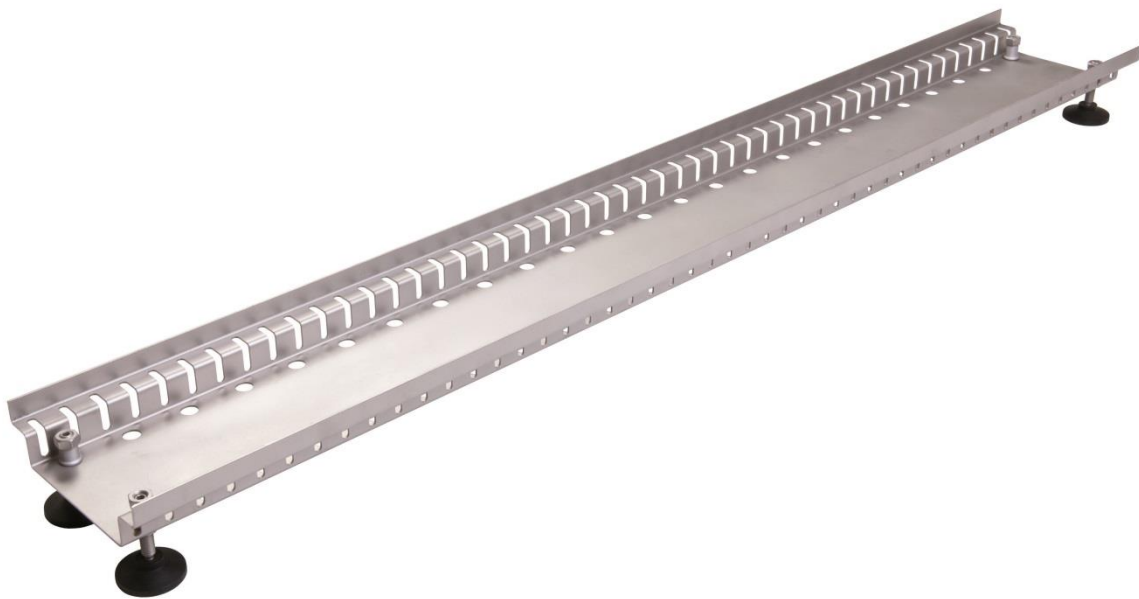




## Technical data sheet

### Drainage channel Futura



### Manufacturer

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## Product description

The Fultura drainage channel on stilt bearings is an elevated box channel with integrated slotted holes ( $30 \times 5 \text{ mm}$ ).

The drainage channel can be continuously adjusted in height by means of stilt bearings. The stilt bearing consists of a threaded pin with a hinged foot. Unevenness of up to  $15^\circ$  can be absorbed by the articulated foot.

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 according to load class A15 (*walkable*)

## Dimensions

The gutter is supplied in the following standard dimensions.

Inlet widths: 100/140/160/200 mm

Heights respectively\*: 55-80/85-110 mm

\*With a height of 85-110 mm, it is also possible to achieve heights from 55 mm by shortening the threaded pins.

We generally recommend ordering the gutters to the required size to avoid problems during installation.

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

The feet of the gutter are arranged in such a way that there is sufficient distance between the lateral boundary of the gutter and the outer edge of the feet to allow the gutter to be moved even in the case of coving or raised waterproofing membranes.

When the gutters are cut to length, the feet must be moved. This is possible. To do this, the feet must first be unscrewed. Then, using a suitable tool, the threaded sleeves must be riveted into the right places.



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

Inlet width 100 mm: 188.29 cm<sup>2</sup>/m

Inlet width 140 mm: 188.29 cm<sup>2</sup>/m

Inlet width 160 mm: 188.29 cm<sup>2</sup>/m

Inlet width 200 mm: 188.29 cm<sup>2</sup>/m

Larger outlet cross-sections by arrangement.

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

## **Accessories**

- Corner formations
- Connector pairs for drainage channels and corners
- End pieces

## **Important notes**

With some types of grating it may be necessary to shorten the grub screws on site, as these cannot be screwed in completely due to the height of the grating.

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

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.

If the gutter is laid directly on insulation, the surface pressure of the insulation must be tested beforehand to avoid damage to the gutter and the insulation. In this case, metal sheets should be placed underneath to increase the contact area.

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

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

The drainage channels should 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 should 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/en/downloads/brochures.html>