



Technical data sheet

Lamina fixed drainage slot channel



Manufacturer

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Product description

The Lamina slotted channel is a drainage channel that can be used in accordance with load class C250. The channel is assembled at the factory ready for installation. The slotted plate is provided with 8 stiffening embossments per metre. This ensures high stability against shear forces.

Inspection or flushing cisterns, manufactured to fit the respective channel, are available on customer request (*see below*).

Dimensions

The gutter is supplied in three standard sizes:

	<u>Slot width</u>	<u>Total width</u>	<u>Neck height</u>	<u>Total height</u>
1.	10 mm	100 mm	65 mm	140 mm
2.	10 mm	100 mm	95 mm	170 mm
3.	10 mm	100 mm	160 mm	260 mm

The channel is available in stainless steel (V2A) and hot-dip galvanised steel.

The material thickness for both materials is 1.5 mm.

Standard channel length: 1,000 mm, up to 1,500 mm possible in one piece

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

Load classes

For all neck heights:

Based on class A15:

Channel is installed in a well compacted ballast bed.

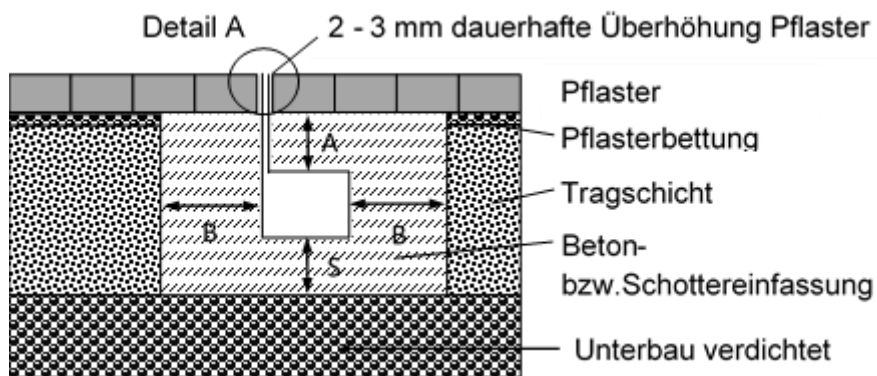
For neck height 160 mm:

In accordance with class B125/C250:

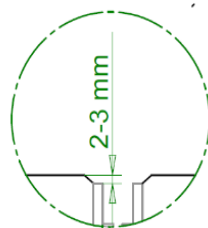
The channel is completely built into a concrete foundation, the first paving stones are also to be set in concrete. Covering the channel with concrete is required.



Installation sketch



Detail A



Dimensions of the concrete or gravel edging:

Based on load class A15/B125: $A \geq 80 \text{ mm}$ $B \geq 150 \text{ mm}$ $S \geq 150 \text{ mm}$

Based on load class C250: $A \geq 80 \text{ mm}$ $B \geq 200 \text{ mm}$ $S \geq 200 \text{ mm}$

Materials used

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

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

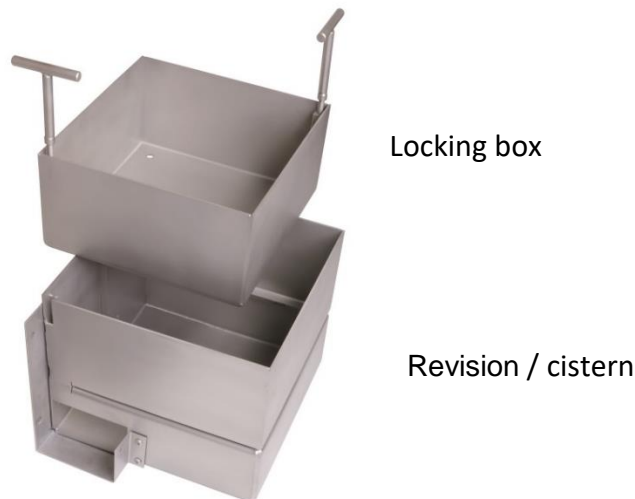
Accessories

The following accessories can be supplied:

- End pieces (*right/left*) in stainless steel or hot-dip galvanised steel
- Connectors in stainless steel or hot-dip galvanised steel



Revision/flush tank



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.

The boxes, like the gutter, must be primed accordingly.

The material thickness is 1.5 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.

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>