Product information

Height-adjustable in next to no time

Hydra Express drainage channel from Richard Brink for flexible alignment directly at the construction site

Schloss Holte-Stukenbrock, 10.11.2026

When it comes to terraces, balconies and other outdoor areas, it is crucial that dewatering solutions, flooring structures, sealing levels and connecting elements all work together to a T. Varying installation heights and changing installation settings require solutions that can be adapted quickly and precisely, directly at the building site. The Hydra Express height-adjustable drainage channel from Richard Brink GmbH & Co. KG is designed with this in mind.

The system used by the Hydra Express was developed for multilayered floor structures and extends up the entire installation height, from the sealing level to the upper edge of the flooring. During installation, the channel height can be adjusted directly from above. The channel bodies can easily be cut to length at the installation site and joined together using compatible click connectors to create a line of channels.

Swift height adjustment from above

The height of the Hydra Express can be smoothly adjusted as required thanks to integrated hexagon socket screws. The screws are accessed from above and adjusted using either a hexagon socket or cordless screwdriver. This enables the installer to change the channel height in line with the respective floor structure directly during installation. Adjustments can therefore be made even if it is difficult to access the screws from the side.

If the installation height varies within a given space, the channel can be realigned based on the actual installation conditions without having to remove it completely. The fact that the channels can be handled from above

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keeps the number of installation steps otherwise required to a minimum – along the sides of the channel, for example.

Cut to size on site

Besides making changes to the channel's height, its length can also be adapted to project specifications directly at the building site as the channel body can be cut to size as needed. This gives installers a degree of flexibility in situations where the required length can only be determined for certain after surveying the specific installation conditions on site.

In such a case, it is essential that the integrated height setting remains in tact also after the channel has been cut to length. To this end, Richard Brink offers an additional cutting kit made to fit the respective channel dimensions, comprising of connecting profiles and integrated hexagon socket screws. If cutting the channel to length means also having to remove the originally integrated height setting, these profiles can be inserted at either end of the cut channel body and screwed in place. This maintains the channel's smooth and precise adjustment, even after being cut to size. Both the length and height of the channel can therefore be adapted directly at the installation site, allowing installers to always respond flexibly to the actual installation situation.

Tool-free connection, versatile integration

A click connector is provided to join two channel bodies together. It is inserted between two segments, without the need for additional tools, and enables the line of channels to be easily and quickly extended. This makes for a much simpler assembly, especially for longer lines of channels, while greatly reducing the amount of time needed for installation.

What's more, the Hydra Express can be integrated into a range of dewatering concepts with the right accessory parts. Drain mats can be attached directly to

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the channel using an adapter. The channel can also be connected to the Subterra branch channel. This allows accumulating water to enter the channel before being specifically directed to a secondary dewatering solution within the same system. End pieces, corner connectors and latching systems complete the range of accessories. Moreover, special corner variants and custom layouts can be realised. The metal products manufacturer can therefore take project-specific arrangements and connecting elements into account for its customers.

Comprehensive range of standard products and custom production

The drainage channel is available in a length of 1,000 mm and with inlet widths of 100, 140, 160, 200 and 250 mm as standard. Four adjustment ranges measuring 40 to 55, 54 to 69, 70 to 100 and 100 to 160 mm cover varying installation heights. The smallest range of 40 to 55 mm is available in stainless steel only and for inlet widths of 100 and 140 mm. The Hydra Express is made from 1.5 mm-thick stainless steel or hot-dip galvanised steel. Beyond the standard variants, it is also possible to produce the channel with custom inlet widths and installation heights in order to meet project dimensions.

From the various ways of adjusting the channel's height and length to its different connection possibilities, the Hydra Express was designed specifically for a quick and professional installation on site.

(approx. 5,000 characters)

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.

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