

Drainage and dewatering channels

for façade and area drainage



**DRAINAGE AND
DEWATERING SYSTEMS**

HEAVY-DUTY
SYSTEMS

ROOF AND WALL
SYSTEMS

PLANTING
SYSTEMS

BATHROOM AND
KITCHEN SYSTEMS

Our *range of gratings* for façade and area drainage

Load classes from A 15 to D 400



Grating with **round perforation**,
stainless or hot-dip galvanised steel.

Grating with **square perforation**,
stainless or hot-dip galvanised steel.

Grating with **rectangular slotted perforation**,
stainless or hot-dip galvanised steel.

Grating with **narrow slotted perforation**,
stainless or hot-dip galvanised steel.

Grating with **narrow slotted
perforation**, stainless or hot-dip galvanised steel.

Mesh grating, stainless steel.

Heavy-duty mesh grating, stainless steel.

Mesh grating, hot-dip galvanised steel.

Rivo designer grating, stainless steel.

Silva designer grating,
stainless steel and copper.

Gemma designer grating,
stainless steel.

Widths of 100, 140, 160, 200 and
250mm can be selected to match the
inlet widths of our standard channels.
Here, too, custom dimensions can
usually be supplied, based e.g. on
predefined reveal depths.

Ritmo longitudinal bar grating,
stainless steel.

Staccato longitudinal bar grating,
stainless steel.

Legato longitudinal bar grating,
stainless steel.

Hydra Linearis longitudinal bar grating,
stainless or hot-dip galvanised steel.

Longitudinal bar grating, **20x3mm**,
stainless steel.

Gemini double-slotted grating with stone inlay,
stainless steel.

Gemini double-slotted grating, polished stainless steel.

Heavy-duty longitudinal bar grating, **20x3mm**,
hot-dip galvanised steel.

Heavy-duty longitudinal bar grating, **20x3mm**,
stainless steel.

Cross bar grating, **20x3mm**, stainless steel.

Cross bar grating, **20x3mm**, stainless steel.

Cross bar grating, **20x3mm**, stainless steel.



For prices and further product details, see:
richard-brink.de/en/gratings

Whether for entrance zone or area,
terrace or balcony drainage –
we make uniform designs possible
for any area of application and all
load classes up to D 400.

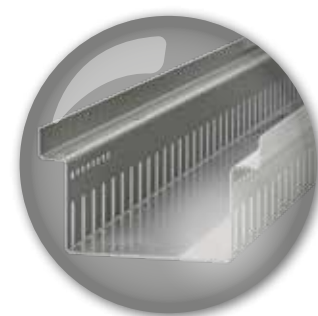
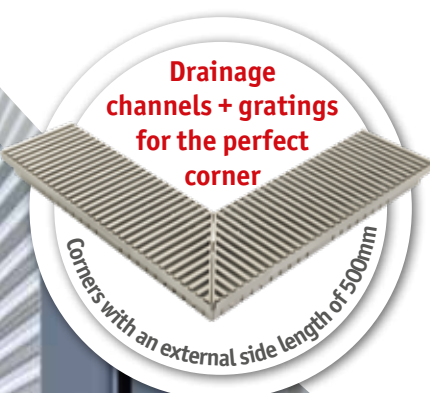
Drainage channels for façade and area drainage

Drainage channels are used both in entrance zones and for area and façade drainage. When precipitation water arises, it is channelled directly into the permeable substrate thanks to the rows of drainage holes running along the sides.

Fixed or height-adjustable

Alongside our drainage channels with fixed installation heights, we also offer height-adjustable systems where the height can be adjusted via either screw connections or threaded pins (stilt supports).

Combine our gratings with any drainage channel. The choice is yours!



Stabile fixed drainage channel, stainless or hot-dip galvanised steel.

Cubo fixed drainage channel, stainless or hot-dip galvanised steel.



Hydra height-adjustable drainage channel, stainless or hot-dip galvanised steel.
Adjustable via screw connections in the rows of drainage holes.



Hydra Express height-adjustable drainage channel, stainless or hot-dip galvanised steel.
Adjustable via threaded pins.



Fultura height-adjustable drainage channel, stainless or hot-dip galvanised steel.
Adjustable via threaded pins (stilt supports).



Made to standard and custom measurements

Although channels are manufactured in standard lengths of one meter, lengths of up to three meters are available on request. The standard inlet widths start at 100mm and range through 140, 160 and 200mm up to 250mm. Here, too, custom dimensions can be supplied, for instance for a predefined reveal depth.

Details of heights can be found in our online shop. Custom dimensions can also be supplied.

Thanks to its articulated feet, the **Fultura** drainage channel can be adapted to uneven surfaces, making it ideal for use on balconies and roof terraces.



For prices and further product details, see:
richard-brink.de/shop



Drainage channels – connectors and end pieces

Standard connectors

Our drainage channels are always connected via the rows of drainage holes running along the walls. Stabilising L-profile connectors with elongated holes are supplied for this purpose and enable variable adjustment on the channels via the screw connections.

These are suitable for the following channels:

- DR *Stabile*
- DR *Cubo*
- DR *Futura*

Hydra channel without connectors

The *Hydra* height-adjustable drainage channel is the exception in connection terms. The two-part construction of the channel walls allows for connection through the staggered installation of the channel segments.

The below image shows the *Stabile* fixed drainage channel with connectors.

End pieces – fixed and height-adjustable

We supply perfectly fitting end pieces for all our drainage channels – whether for standard, height-adjustable or custom-made channels. Side clips with elongated holes enable screw attachment via the rows of drainage holes along the channels.

Connectus drain mat adapter – secure connection between drainage channel & mat

Our adapters can be combined with almost all drainage channels supplied by our company. As with the connectors, the adapters are also screwed to the perforated walls of the drainage channels.

The drain mats are pushed into the adapters, which clamp the mats in place. This both prevents loose fill from getting into the drain mats and stops the mats slipping.

The raised connection element of the drain mat adapter **a** produces the largest possible cross section from the drainage channel to the drain mat, which guarantees the rapid and effortless drainage of water from the channel to the adjacent drain mats.



Our drain mats guarantee the rapid drainage of your paved areas by channelling the precipitation water through the layers of loose fill beneath the slab flooring and towards the outlet. We make a distinction between:

- b Drainage mats with glass fibre mesh** for the installation of ceramic tiles over single grain mortar
- c Drainage mats with special fleece** for loose-laying flooring on unbound, washed gravel or chip layers

Both variants are available in heights of 8mm or 16mm. The width of the mats is 1,200mm and the roll length depends on the mat height (15 meters for 8mm height and 10 meters for 16mm height).



For prices and further product details, see: richard-brink.de/en/connectus

Subterra branch channel – the underground drainage system

The **Subterra** branch channel is our drainage system that runs into the substrate via the sealing levels and guarantees rapid drainage of balconies, roof terraces and subterranean structures such as greenery-covered underground car parks or their roofs.

This means that the water can drain directly from the surrounding loose fill through the rows of drainage holes into the branch channels.

Connecting elements such as adapters for connecting façade channels along with straight, T and corner connectors maximise on-site flexibility.

In their intact state, the corner connectors enable corners of 90° **a** and 30° **b**, or, after splitting, 2 x 45° corners **c** and 2 x 15° corners **d**.

Depending on the drainage channel, the branch channel is connected either from beneath via an adapter or, as in the case of the height-adjustable **Hydra** channel, also from the side wall of the channel. Knockout sections in the channels can be cut open as required and the branch channel connected.



For prices and further product details, see: richard-brink.de/en/subterra



The products on this page are presented to demonstrate how various drainage systems are designed for optimum interoperability and also allow on-site flexibility.

As such, they offer maximum leeway in terms of height-adjustability and the concealed connection of all components in the substrate.

The image on the left shows our **Hydra** height-adjustable drainage gully acting e.g. as a collecting point and inspection shaft above the outlet.

If our standard products are not quite right for your requirements, we can also supply custom dimensions of these items.

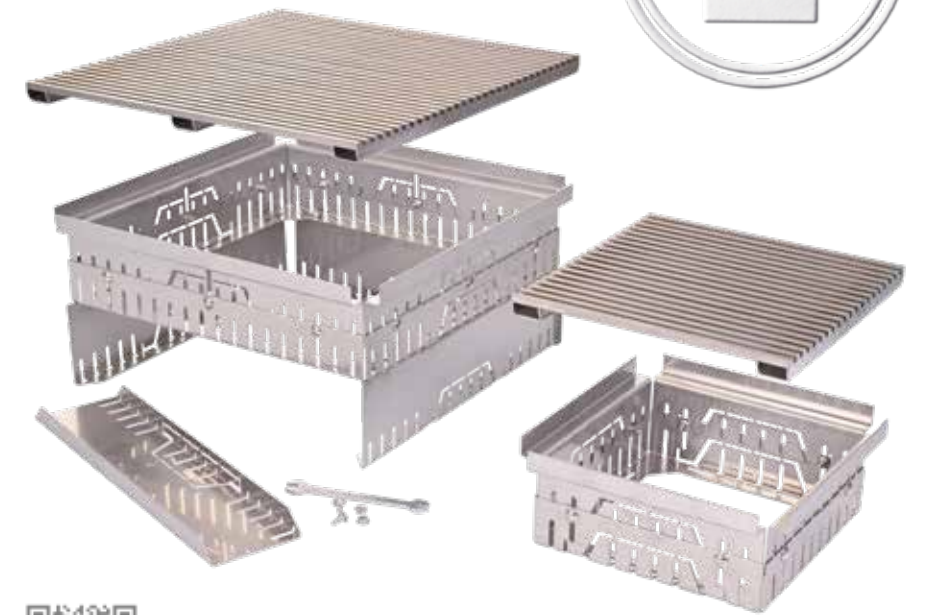
Hydra drainage gully + base – the adaptable outlet



The gully has connection points for the **Subterra** branch channels on all four sides and, depending on the height variant, can be raised from 54mm to 69mm or from 70mm to 100mm.

If a higher gully is required, we recommend our stacking elements **a** as a base. These are available as standard in the heights 30mm, 60mm and 90mm and are simply screwed to the gully.

The standard inlet widths of the square gully start at 250mm and range through 300mm, 400mm up to 500mm. Here, too, we can supply custom dimensions.



For prices and further product details, see: richard-brink.de/en/drainagegully

Hydra inspection channel – the XXL underground drainage system

The **Hydra** inspection channel is our height-adjustable direct connection between the façade channel and the drain and, thanks to its width and rows of drainage holes, allows the rapid drainage of precipitation water on paved surfaces from e.g. balconies and roof terraces.

In this case, the water can be collected directly in the façade channel as well as through the loose fill beneath the slab flooring.

Corner connectors are used to screw the inspection channel firmly to the specific façade drainage channel.

Because the inspection channels are custom manufactured based on the dimensions of the specific slab material, they can be laid almost invisibly. The slab material is simply used to cover the channel and enables barrier-free access.



For prices and further product details, see: richard-brink.de/en/inspection-channel

Stabile Air – the rear-ventilated façade channels



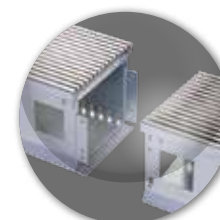
For prices and further product details, see:
richard-brink.de/en/stabile-air



Folded channel reinforcements inside the channel guarantee the high stability of this system. We can also optionally manufacture spacer elements for the base area located outside the channel that can be adjusted using threaded pins.



The individual channel segments are extremely easy to install thanks to the plug-in system, ensuring smooth transitions and saving time during installation. No additional connectors are needed here. End pieces (see right) round off our system.



The 300mm inlet width meets the requirements of the Federal Association of German Prefabricated Construction (BDF).

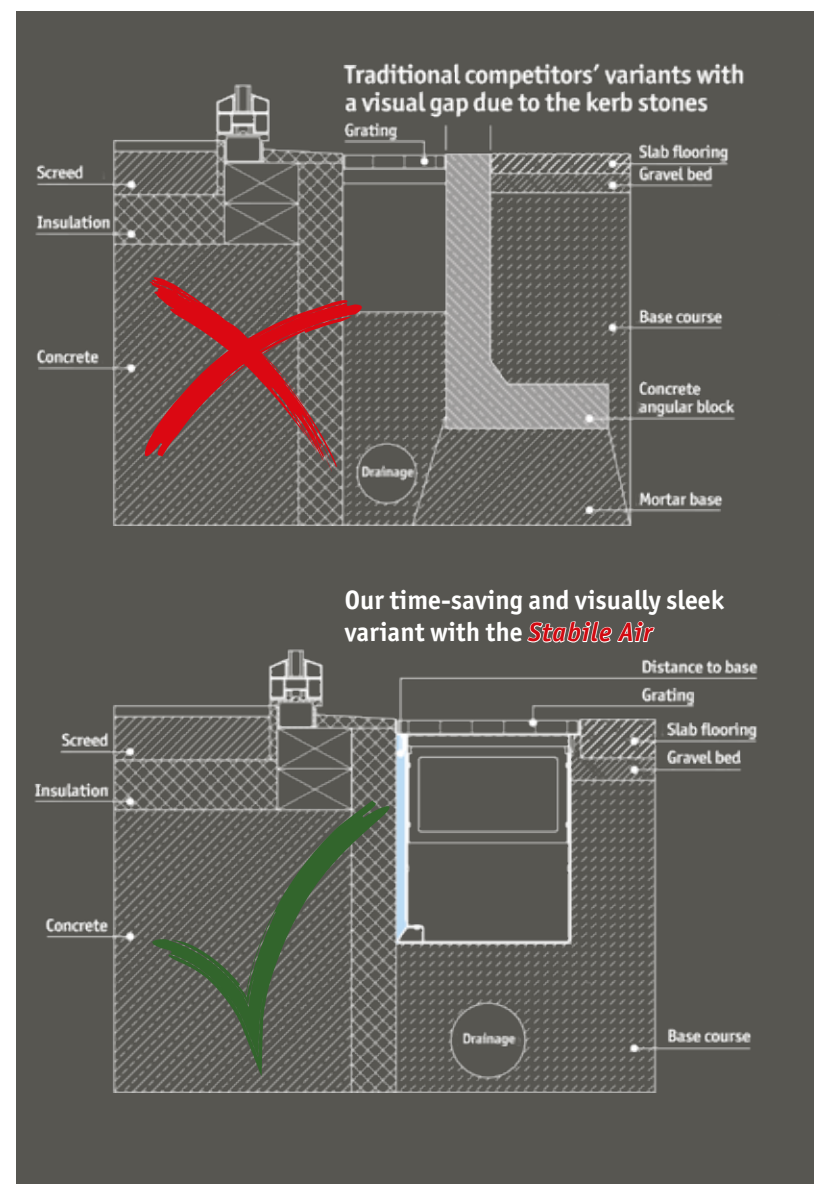


We developed the **Stabile Air** façade channels both for external wall insulation systems and wooden façades. The channels allow permanent rear ventilation of the base area while also preventing capillary forces at the façade, avoiding the pooling of water.

The **Stabile Air** channel's projecting grating support **a** abuts the façade. The channel wall **b** beneath the support features ventilation openings **c** that enable ventilation of the base.

Any façade and splash water is directly collected and channelled to the permeable substrate. On request we can also manufacture the channels as a dewatering variant with connection nozzles for the sewer system.

Alongside our standard products with the inlet widths of 100, 140, 200, 250 and 300mm, we can also manufacture custom widths at any time as required. The same also applies to the channel heights, available as standard in heights of 170mm and 300mm.



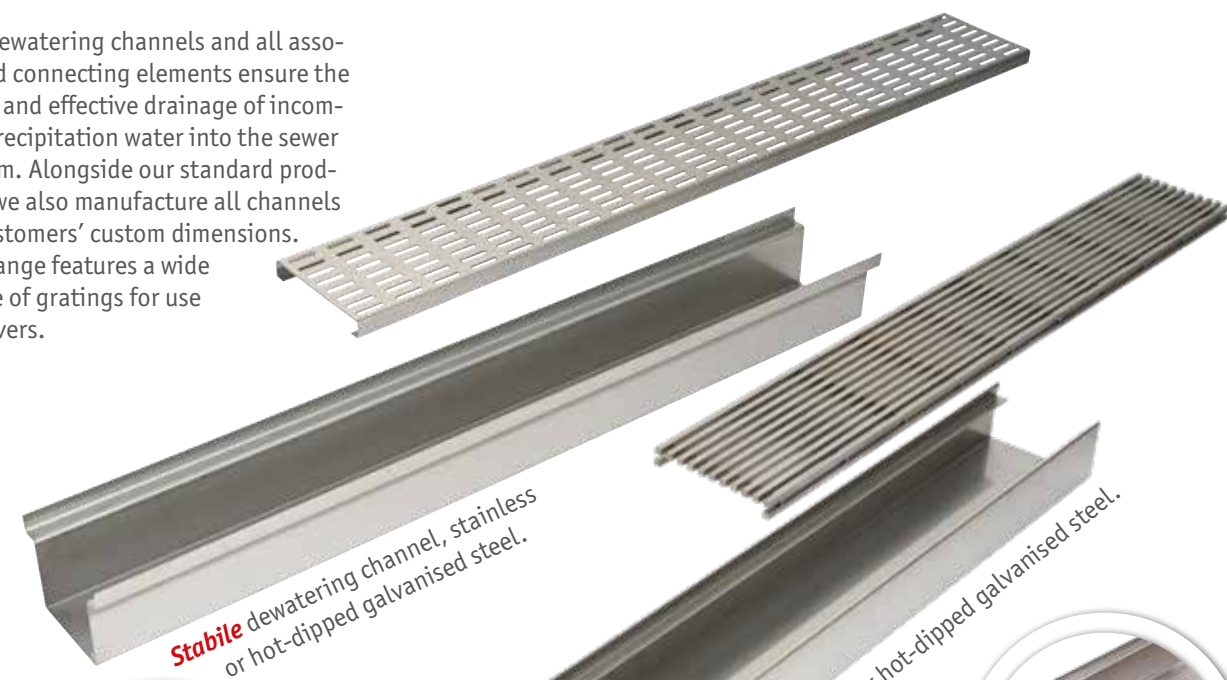
We manufacture custom channels with precise projecting elements for the reveal area of doors and full-length windows. Uses include the bridging of insulating materials, as shown in the installation image on the right.

No additional concrete angle blocks need to be laid to hold the façade channels on this system.



Dewatering channels for façade & area drainage

Our dewatering channels and all associated connecting elements ensure the rapid and effective drainage of incoming precipitation water into the sewer system. Alongside our standard products we also manufacture all channels to customers' custom dimensions. Our range features a wide range of gratings for use as covers.



For prices and further product details, see:
richard-brink.de/shop



Made to standard and custom measurements

Channels are manufactured in standard lengths of one meter. Lengths of up to three meters are available on request. The standard inlet widths start at 100mm and range through 140, 160 and 200mm up to 250mm. Here, too, custom dimensions can be supplied, for instance for a specified reveal depth.

Details of heights can be found in our online shop. Custom dimensions can also be supplied.

Drainage units

We manufacture drainage units with a nozzle on the side for connection to the sewage system for both the **Stabile** dewatering channel and the **Cubo** dewatering channel.



Reveal drainage

We have developed our especially flat reveal drain for situations where a reveal only permits low installation heights and a horizontal pipe connection is not possible. This bridges the reveal depth (base plate or insulation) through to the external area and also guarantees an inspection-compliant pipe connection.

We custom-manufacture the position and the hole diameter of this connector within our channel systems as well as all other dimensions of the reveal drainage.



Drainage channel nozzles can be pre-assembled in line with custom dimensions on request.



Nozzles:

The nozzle for screwing below **a** and the variant with the U shaped metal sheet for bonding **b** can be selected in the nominal dimensions DN 50, DN 70 and DN 100. Variant **a** can be pre-assembled at the factory in line with custom dimensions on request.

Otherwise the nozzles and the fixing elements for both variants are included in the scope of delivery and need to be assembled during construction on site.



Lamina slotted channels for discreet drainage

Subtle, concealed and hardly noticeable – words to describe the appearance of our slotted channels from the **Lamina** product family.

We make a distinction between the variants **Lamina Fix**, which is available both as a drainage and a dewatering channel, and the height-adjustable **Lamina** slotted drainage channel.

All slotted channels are available in both stainless steel and hot-dipped galvanised steel.

The fixed channels have standard collar / total heights of:
65 / 140,
95 / 170 or
160 / 260mm.
Custom dimensions can also be manufactured.

Lamina Fix slotted drainage channel, stainless or hot-dipped galvanised steel.
Collar height 160mm / total height 260mm

Lamina Fix slotted drainage channel, stainless or hot-dipped galvanised steel.
Collar height 95mm / total height 170mm

Lamina height-adjustable slotted drainage channel, stainless or hot-dipped galvanised steel. Collar height 50mm / total height 90mm to 115mm

Lamina Fix dewatering slotted channel, stainless or hot-dipped galvanised steel.
Collar height 160mm / total height 260mm

Lamina Fix dewatering slotted channel, stainless or hot-dipped galvanised steel. Collar height 95mm / total height 170mm

The height-adjustable **Lamina** variant can be adjusted from 90mm to 115mm using screw connections. The collar height in this case is 50mm.

Flush and inspection boxes:

We precision-manufacture flush and inspection boxes for all slotted channels.

Both allow for the connected slotted channels to be easily inspected through flushing.

The inspection boxes also feature an outlet nozzle for connection to the sewer system. This is also recommended as an overflow on slotted drainage channels in case of inadequate absorption into the substrate.

The flush and inspection boxes are sealed with inlays that can be paved over and retain the uniform appearance of the surrounding paving.



The inspection box is available both with a downward-facing or side-mounted, forward-facing nozzle.



For prices and further product details, see:
richard-brink.de/en/slotted-channels



Custom-made products: standard procedure for us

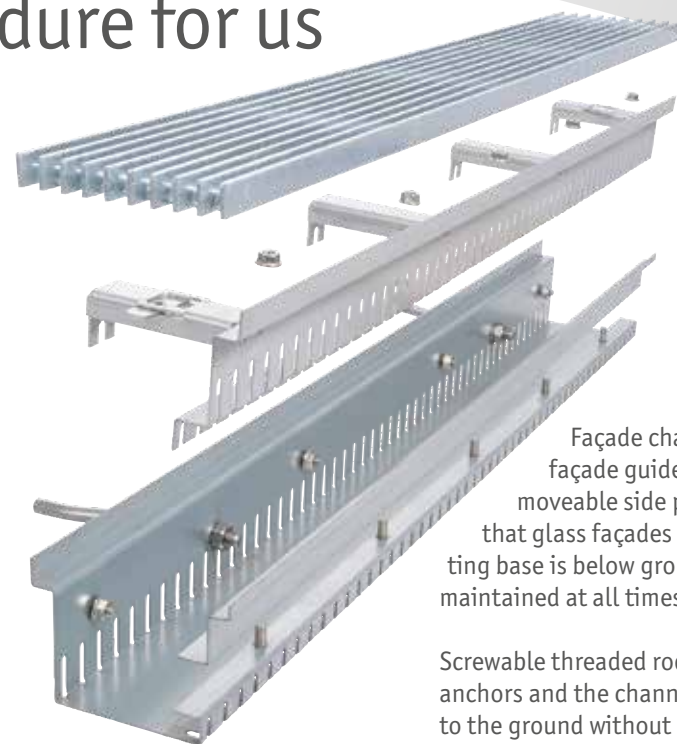
Let's get straight to the point: if our standard products do not meet your requirements in terms of adaptation to the required ground level and inlet width and length, we can manufacture all products to custom dimensions.

This is something we do all the time and it is such a quick process that you do not have to endure long delivery times or disproportionate additional costs. If your required custom-made product is between two listed standard products in terms of size, **the price for the larger standard product** will usually apply. This means that our custom-made products are always predictable and transparent in pricing terms.

We can naturally also accommodate any of our customers' specific structural features and special requests. Some examples can be found on this double page.



For prices and further product details, see:
richard-brink.de/en/custom-products



Façade channels with façade guide plates and removeable side panels guarantee that glass façades whose supporting base is below ground level can be maintained at all times, for instance.

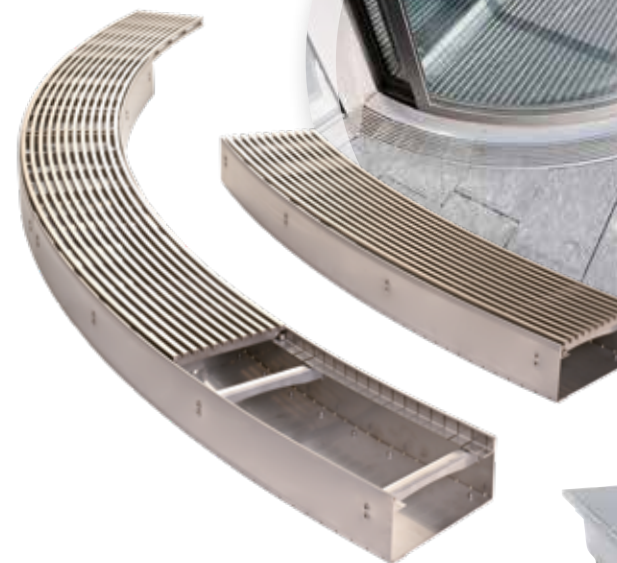
Screwable threaded rods act as ground anchors and the channel remains fixed to the ground without risk of slippage thanks to concrete foundations at selected points.



We bend over backwards:

Whether for curved façades or in entrance zones with revolving doors – we precision-manufacture custom radial channels and gratings.

The example on the right shows Cubo-type custom-made radial dewatering channels and the matching (also powder-coated) longitudinal bar gratings at Hall 3C of NürnbergMesse.



Many of our custom manufactures involve reaching the required height for an installation. We stock a range of height-adjustable drainage systems as standard. If these do not meet your requirements, we can either manufacture custom-made products or integrate further options for height adjustment.

For example, on the left you can see a **Fultura**-type custom-made drainage channel with a projecting element for the transition to a reveal. Stilt supports at different heights enable even and precise alignment of the channel with the desired ground level.

Perfect across the entire line:

The illustrations show how different conventional standard products look compared to custom-made products.

Not only are reveal depths and widths reflected, which retains the lines of the façades on the ground, but the very aesthetics of our designer gratings are eye-catching – especially in wider variants.



Conventional
façade channel
width

Our façade channels are made to measure based on reveal depth.



Heavy-duty can be beautiful, too

Here you can see a small selection of our range as preview of our channels in the heavy-duty segment:

Our **Ferro Magna** channel **a** for example, acts as a “permanent formwork” that becomes a heavy-duty channel when inserted into a concrete foundation. Additionally, bevelled reinforcement elements on the sides reinforce the structure so that the paving material can be laid directly along the channel.

The **Gemini Magna** double-slit channel **b** is also surrounded by concrete. Once installed in the surface, all that remains visible are two subtle slits created when a stone inlay is inserted. These can be filled to match the adjacent slabs and repeatedly removed using the removal hooks supplied.

Our **Stabile** heavy-duty channels are available both as drainage **c** als auch and dewatering channels **d**. Welded concrete anchors enable the channels to be affixed at selected points in the substrate.

We also offer a wide range of heavy-duty variants of our grating designs for our heavy-duty channels. Whether suitable for foot or vehicle traffic – the design is always harmoniously coordinated.



Our inspiration: *to be simply better*

More than **45 years** of metalware production

Richard Brink is a medium-sized and growing family-run company from Schloss Holte-Stukenbrock. Founded in 1976, the company is now managed by the second generation. With over 150 employees and our own, also internationally oriented sales team based, for instance, in Austria, France and the Netherlands, we have established ourselves in the market as a specialist for premium metal goods.

We develop, produce and sell innovative drainage and dewatering solutions alongside versatile planting systems and products for roofs and walls, industry, bathrooms and kitchens.

In doing so, we place great importance on a level of workmanship and dimensional accuracy that satisfies our customers' own high standards. Not only are we known for our broad range of standard products, we have also made a name for ourselves as a manufacturer of individual, custom-made products and bespoke solutions.



For prices and further product details, see:
richard-brink.de/en/heavy-duty





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