



component
developments

Stainless Steel
Industrial Floor Drainage



Component Developments

What we do

We design, manufacture and supply standard, adapted and bespoke stainless steel building products.

We offer total support

Our aim is to help you overcome those common onsite problems that relate to drainage and surface protection. At the same time we will offer you complete guidance and support, right from the design stage through to the completion and hand over of your project.

We know what works

We've worked on countless, wide-ranging projects, from small family run breweries through to the production facilities of the biggest known food and drink brands in the world. Simply put, with experience comes knowledge. We can help you achieve just what you need.

We want to make it easy for you

Our service ties together plumbing, floor finishes, loadings and hygiene and we put it together in one neat tidy, cost effective package.

We are fast - very fast!

Timing is of the essence and having your product made quickly and delivered to site at a time that is most convenient to you is important and we take that very seriously.

We are always at hand

Whatever you need, we are here to help. We are always at the end of the phone, where you will get straight through to a human being.

We don't do answering machines!



Standard

We have carefully developed a range of products to meet your most common needs.

For example our standard range of drainage products covers all common floor types, including concrete, tiled, resin and vinyl flooring.

There are three main considerations when planning a drainage system;

- 1) Choosing the best channel profile for the job.
- 2) Pick the correct sized outlet for the wastewater.
- 3) Pick a suitable grating.

Or simply let us pick it for you!

Adapt

Adapt aims to meet your more specific needs by providing you with 'adapted', standard range products in a very short lead time.

Because we manufacture everything in house we have the ability to completely personalise any of the standard range products.

For example, you may want one of the standard channels to be a little bit longer, or wider. You may need the depth to be deeper. Maybe you need two different floor finishes to meet one channel and therefore a combination of profiles is needed.

Just ask us for more information.

Bespoke

We understand that, although our product range is versatile, there are times when our customers need us to just rip up the templates and begin from scratch and we are more than happy to do so.

If you're not quite sure what is needed for the job at hand, just give us a call. Our aim is to help guide you through the entire process from design stage to installation and of course the after care.

More information is available on our website:
www.componentdevelopments.com



Electropolishing

We always aim for the highest quality possible and that's why we go that one step further than most.

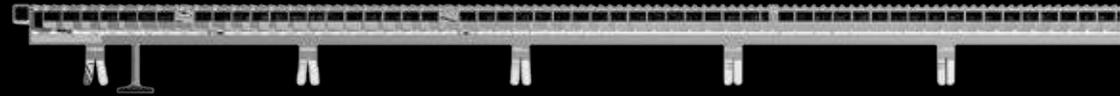
We use bright annealed, austenitic stainless steel as standard for all our drainage systems due to its hygienic properties, everything else we electropolish.

Electropolishing involves an electric current supplied to the stainless steel while it's submerged in acid. This alters the surface of the metal, leaving a highly reflective finish.

By using this simple and cost effective operation we not only make it look nicer but also improve it's function and service life!



A Complete System



Hand crafted

Hygienic, strong, attractive and functional drainage systems are where we excel in manufacturing. All parts are hand crafted by our team of engineers using sheet stainless steel in grades 304 or 316.

Why specify stainless?

The smooth surface of stainless steel is well known for its hygienic benefits. It provides a self cleansing velocity for liquids at very shallow gradients, before the need for manual flushing. It's also resistant to staining and attacks from cleaning solvents!

Drainage products

Our drainage system covers channels, gullies and a range of suitable grating. We also supply various accessories including, tundishes, height adjustable feet and overhead levelling systems for keeping the channels in place while backfilling with concrete.

Our channels are produced in sections up to 6 metres (*only limited by transportation logistics*), which joint together onsite to produce any system length needed. Each channel is manufactured with a built in fall along its length, to allow free flowing removal of wastewater.

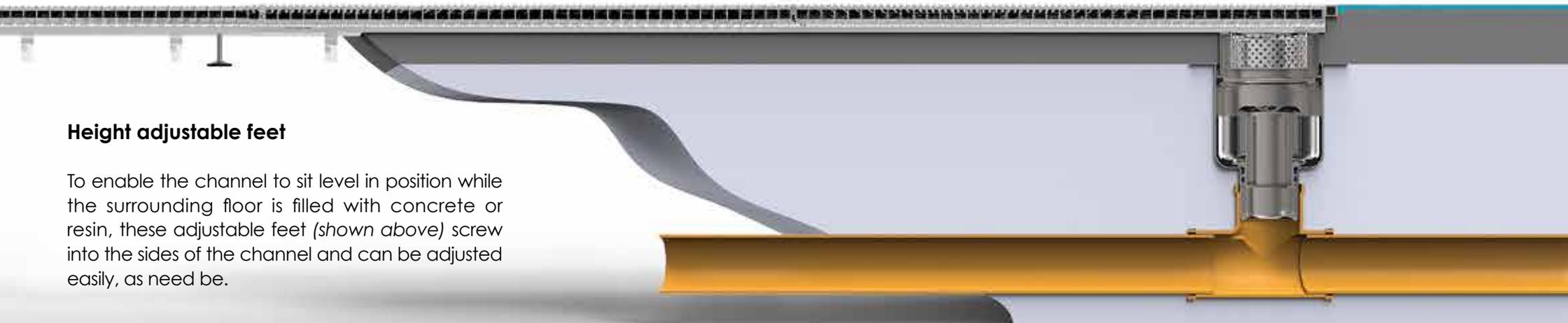
What will you need?

Do you need a long channel or is an individual gully point more appropriate for the area? What type of room is it? What's the foot traffic? Is there heavy machinery? Is there a high volume of wastewater?

With a channel, consideration needs to be taken for both its width and depth. The width may depend on the capacity required or the size of the splash area below discharging equipment. Whereas the depth may depend more on the length of channel, in order to keep the slope over a long distance.

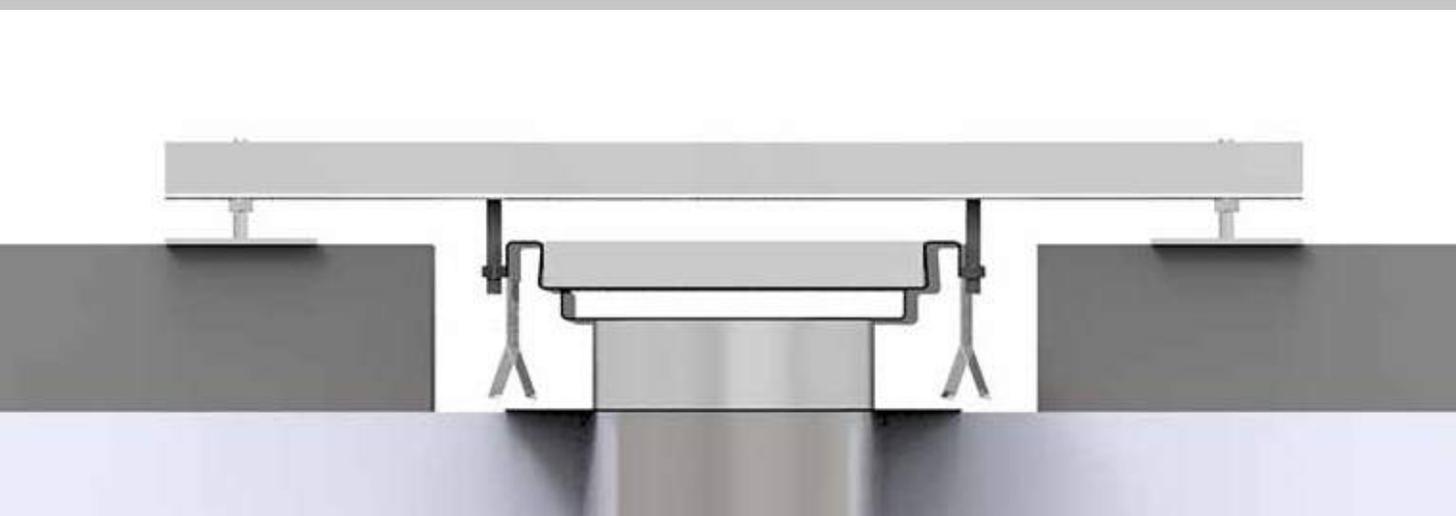
Of course we are happy to advise you on this.





Height adjustable feet

To enable the channel to sit level in position while the surrounding floor is filled with concrete or resin, these adjustable feet (*shown above*) screw into the sides of the channel and can be adjusted easily, as need be.



Overhead levelling system

This temporary system supports the channel from above, allowing it to be levelled and securely hung in a fixed position in the floor opening. Concrete or similar can then be poured into the recess.

Once the floor has cured the levelling system can easily be removed by unscrewing the fixings and the floor finish can be applied.

For more information on this please just contact us.

Channels (3000 series)

Choosing your profile

The standard range of profiles in the 3000 series has been designed to cover all types of floor finishes, including resin, concrete, tile or vinyl. Therefore they are ideal for industrial or commercial use.

Standard

There are 2 standard profile shapes; 'Flat' for the most common uses and 'V based', ideal for high volumes of water. Standard range profiles and widths are fixed, however the fall in the channel can be adjusted as needed.

Adapt

We can make several adjustments to the standard profiles to meet your requirements, including changing the width and making alterations to the channel profile. Other minor shape alterations to suit vinyl or tile floor finishes to one or two sides of the channel can be accommodated.

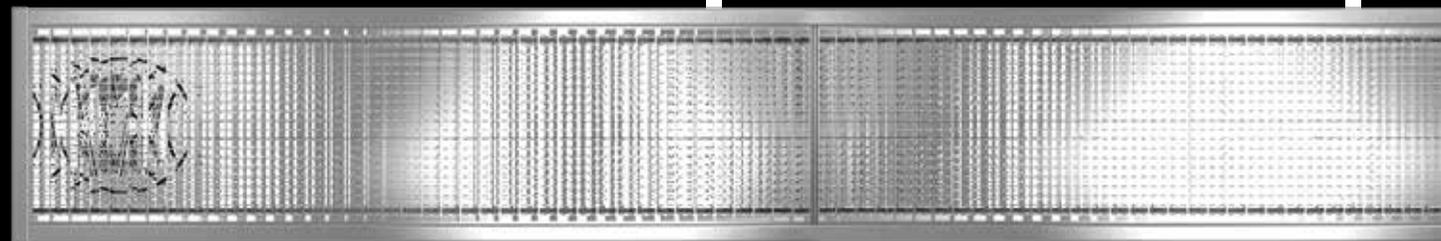
All can be produced in competitive lead times.

Bespoke

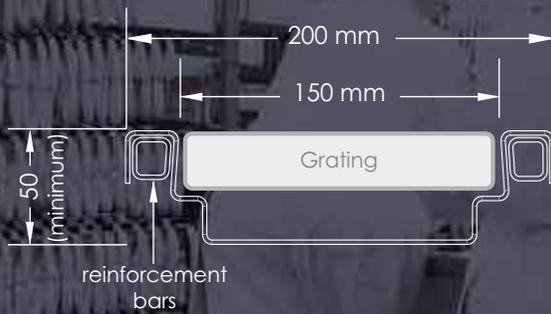
Start from a blank sheet. Anything's possible!

Channel (3000 series) overview

- Austenitic stainless steel (BS EN 10088:2) grades: 1.4301 (AISI 304) 1.4404 (AISI 316)
- Hygienic electropolished finish
- Lengths up to 6 metres
- Widths up to 600mm
- 25mm channel edge width
- Reinforced shoulders for forklift traffic
- Anchor tangs and adjustable feet
- Spacer bars to keep the channel in perfect condition until fitted on site
- Outlet position anywhere along length
- A range of different gratings to suit

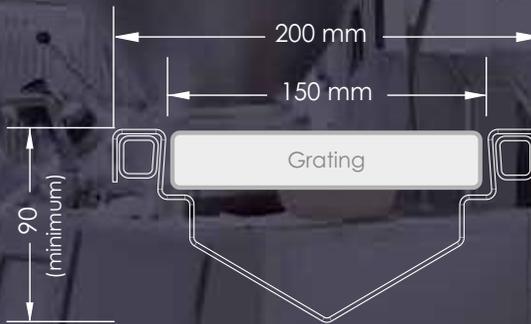


Channel (3000 series) profiles



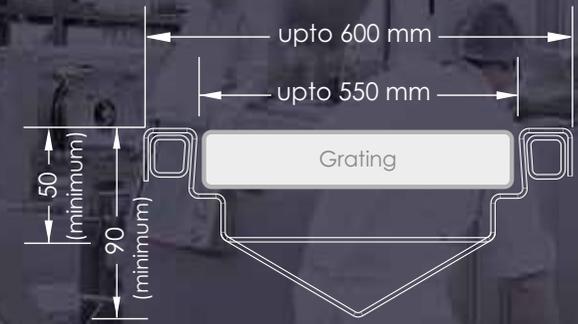
3010RS

Standard
(Flat)



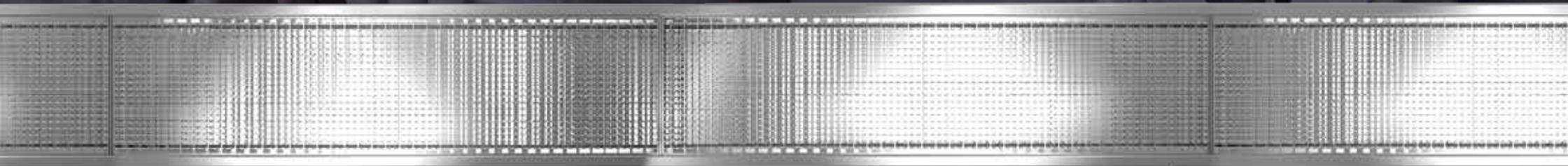
3210RS

Standard
(V based)



Adapt

Modified standard profile
(Flat or V based)



Compact Channels *(3600 series)*

Cost effective solution

Our compact channel is a popular option for industrial use. It provides a continuous slot along its length maintained by small spacer bars at every 300mm. The system drains to an outlet box, connected to our 5000 series gullies.

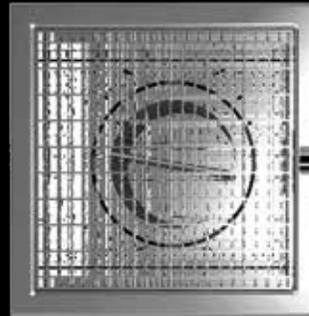
Easy to clean

As there is no grating needed along the length of the channel, it has proven itself to not only be a 'cost-effective' system but also one that is easier to clean. Just wash it out with a hose!

Profile options

The range of standard profiles have been designed specifically for the conveyance of water in areas with depth restrictions, high volume of discharge and heavy loadings.

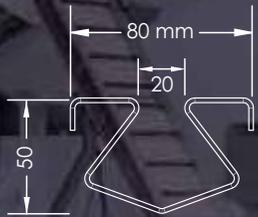
As standard, the outlet can be positioned anywhere along the length of the channel with a built in fall *(depending on the profile)*.



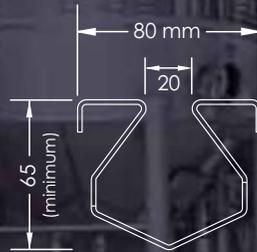
Standard compact overview

- Austenitic stainless steel
(BS EN 10088:2) grades: 1.4301 (AISI 304)
1.4404 (AISI 316)
- Hygienic electropolished finish
- 2mm thick stainless steel
- No channel grating required
- Easy to clean out with a hose
- Connect to a 5000 series gully via an outlet box
- Anchor tangs and adjustable feet

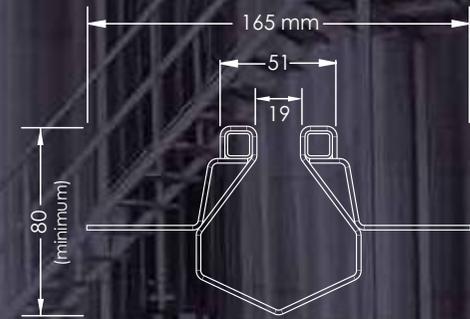
Compact channel (3600 series) profiles



3611
Standard
(Constant depth)



3610
Standard
(Built in fall)



3609
Standard
(Built in fall, heavy duty)



Gully body (5000 series)

Trapped gullies

The gully is the most important part of any surface drainage system as it connects to the building's foul drainage, filtering the wastewater and preventing foul smells from entering the building.

Our gully pots are spun circular which allows the waste to easily slide down into the waste pipe. This 'self cleaning' design helps to prevent the build up of bacteria that are commonly found in the corners of square boxed gullies.

For this reason they are ideal for use in areas such as kitchens, bakeries, dairies and food processing plants.

Easily accessible

The gullies are fully roddable, by simply removing the basket and odour trap you gain complete access for cleaning and rodding, eliminating the need for additional rodding points and providing you with a rugged, durable and hygienic product.

The choice of gully is driven by the flow rate requirement with each standard gully has a different capacity;

5150 1.8 l/s

5200 3.0 l/s

5300 6.0 l/s

Rodding eye

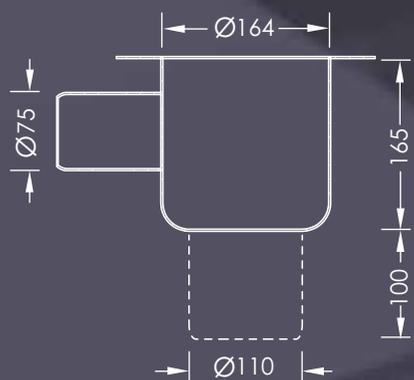
We also supply rodding eyes for gaining access to the head of the drainage system. These are double sealed with a locked down, removable cover plate.

Outlet dimensions

The outlet diameters are compatible to uPVC pipes, sizes 110 and 160 (*standard couplings and adaptors are readily available within the industry to connect to clay and cast iron drainage*).

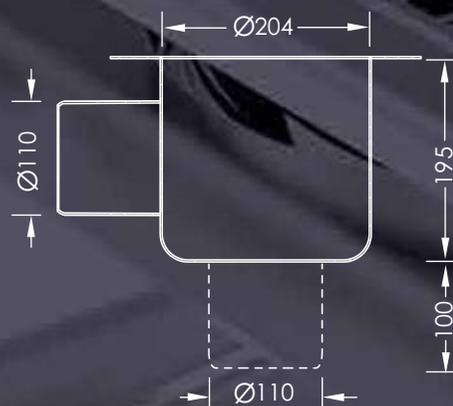


Gully body (5000 series) sizes



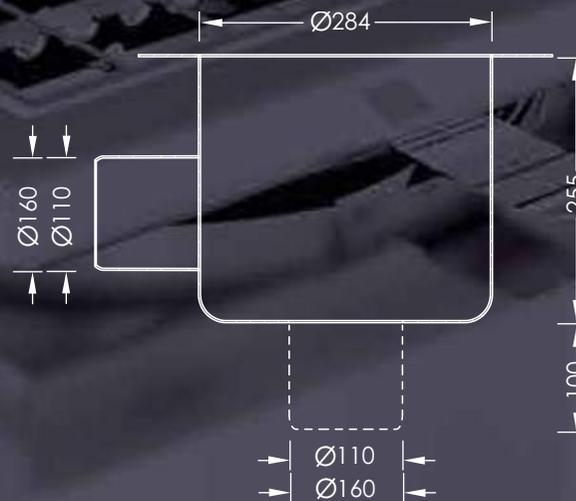
5150

(Horizontal or vertical)



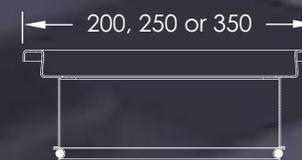
5200

(Horizontal or vertical)

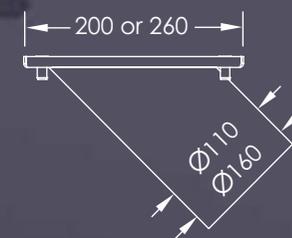


5300

(Horizontal or vertical)



Gully seating



5600 (Rodding eye)

Standalone or with channel

Individual gully point

The 5000 series gully bodies have been designed to be used either as individual drainage points or in conjunction with our channel systems.

When used as a standalone washdown point, a square seating to accommodate the grating is inserted into the top of the gully. When installing, this seating can be moved up or down by as much as 70 mm to match the height of the floor.

This design can be a benefit if the final floor height turns out to be different than originally planned. As well as moving up and down, it can also be twisted

by a total of 360 degrees in order to line up nicely at finished floor level!

Used with a channel

Because of the dual purpose nature of the gully, in areas where a channel is more appropriate the channel outlet simply connects directly into the gully body.

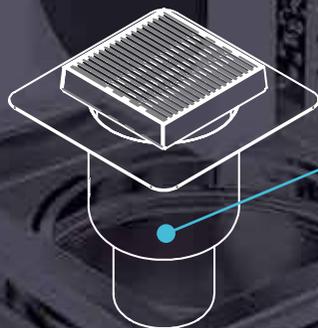
It's important that you get the right combination of channel and gully to suit your project.

Pick up the phone and we can advise!

Standard gully overview

- Austenitic stainless steel
(BS EN 10088:2) grades: 1.4301 (AISI 304)
1.4404 (AISI 316)
- Hygienic electropolished finish
- Vertical or horizontal outlet
- Removable odour trap and basket
- Fully roddable
- Various different gratings
Also available as standard...
- Membrane clamping flanges
- Back inlet pipes
- Tundishes
- Sealed cover plates

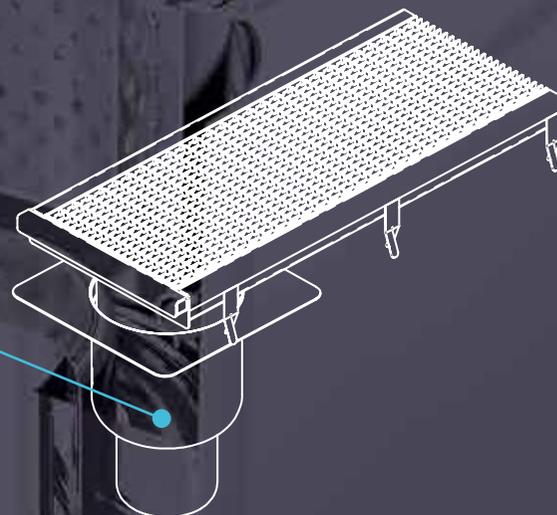
One gully for all purposes



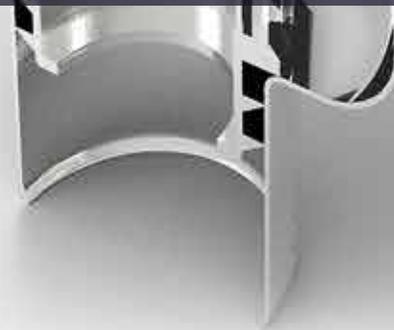
Standalone gully



Gully body



Channel gully



Gratings

To complete your drainage system you will need the appropriate grating.

We supply various styles of gratings, all of which can be used with the channels or the standalone gullies.

Choosing the most appropriate type of grating will depend on the environment in which it is being placed.

- All gratings meet British Standards:

BS EN 1253 (*Interior*)

BS EN 1433 (*Exterior*)

Square mesh - Antislip / Antislip HD

Ideal for discharge drainage in food prep areas

Square mesh - Smooth / Smooth HD

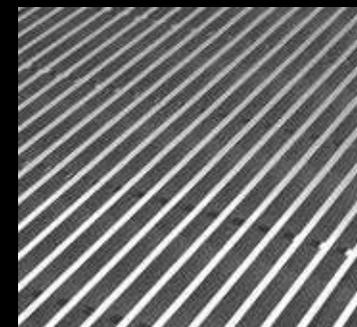
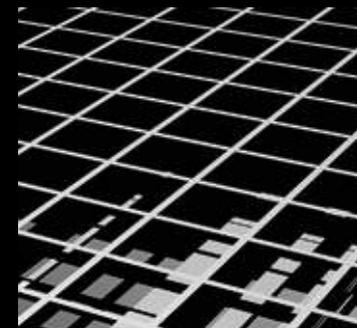
Used for general drainage in fork lift areas

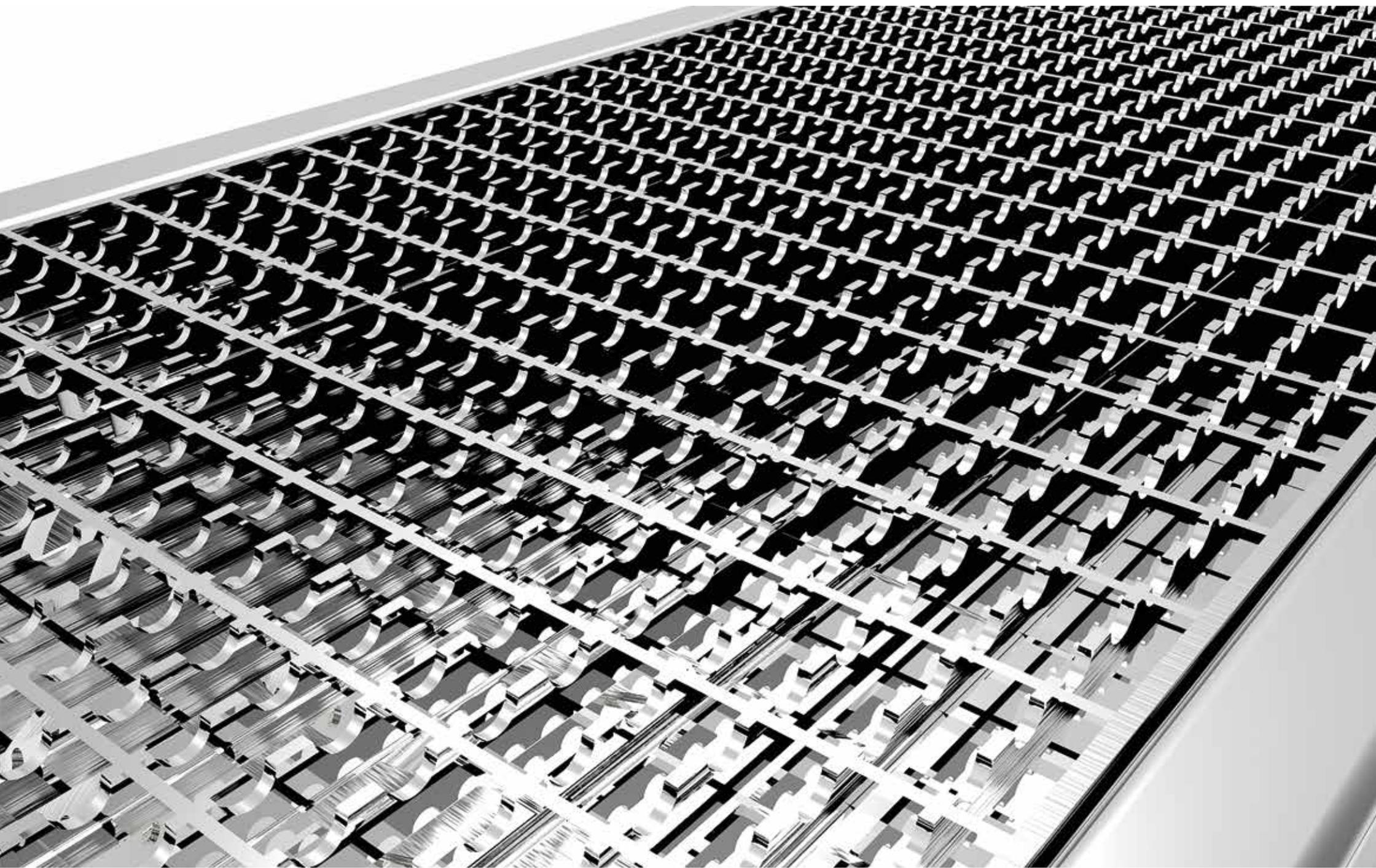
Slotted grating - HD

Hygienic, heavy duty, constant traffic

Fine mesh - Heelsafe

Public areas with pedestrian access







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