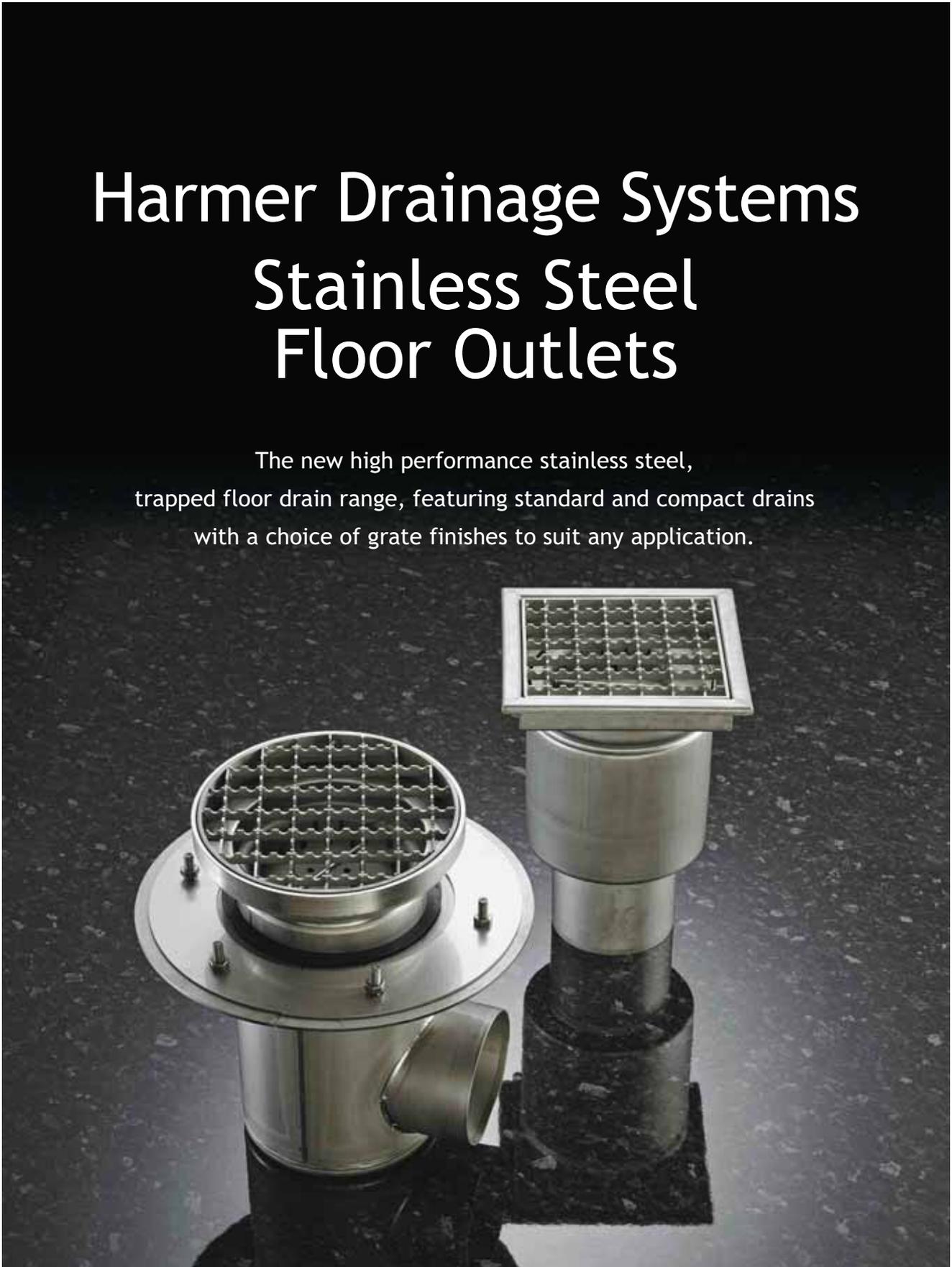


Harmer Drainage Systems Stainless Steel Floor Outlets

The new high performance stainless steel, trapped floor drain range, featuring standard and compact drains with a choice of grate finishes to suit any application.



Stainless Steel Floor Outlets - Benefits

Harmer Stainless Steel floor outlets offer a wide range of standard and compact drains available with fixed or two-part adjustable drain bodies, horizontal or vertical outlets, and a choice of square or circular grate finishes to suit the application and load class required.

Compliances

- Grate options available for load class ratings to BS EN 1253 (Indoor) - K3 (3kN), L15 (15 kN), M125 (125kN) and to BS EN 1433 (Outdoor) - A15 (15kN), B125 (125kN) and Channels up to C250 (250kN)
- The stainless steel is fully pickle passivated to ensure high quality corrosion-free joints

Flow Performance

- High flow performance
- High sump volume

Robust and Secure

- Available in Grade 304 or Grade 316 grade stainless steel
- Using 1.5mm - 2mm steel sheets. All components are welded in argon shield to ensure high quality joints
- Excellent corrosion resistance and durability

A Choice of Body and Grates

- Standard and compact drain body options, either fixed or two part adjustable bodies to suit different floor depth
- 4 grate finishes to suit design and load class requirements
- Available trapped or untrapped, with vertical or horizontal spigot connection

Low Maintenance

- Integral waste basket to be used when drained waste water has a high content for solids
- Easy to clean and maintain with easy access to the trap and waste basket

Easy and Quick to Install

- Easy to install, the drain body can be installed into the floor and the trap and basket with grate can follow when ready
- Suitable for tiled, sheet vinyl and resin floor installations

Value for Money

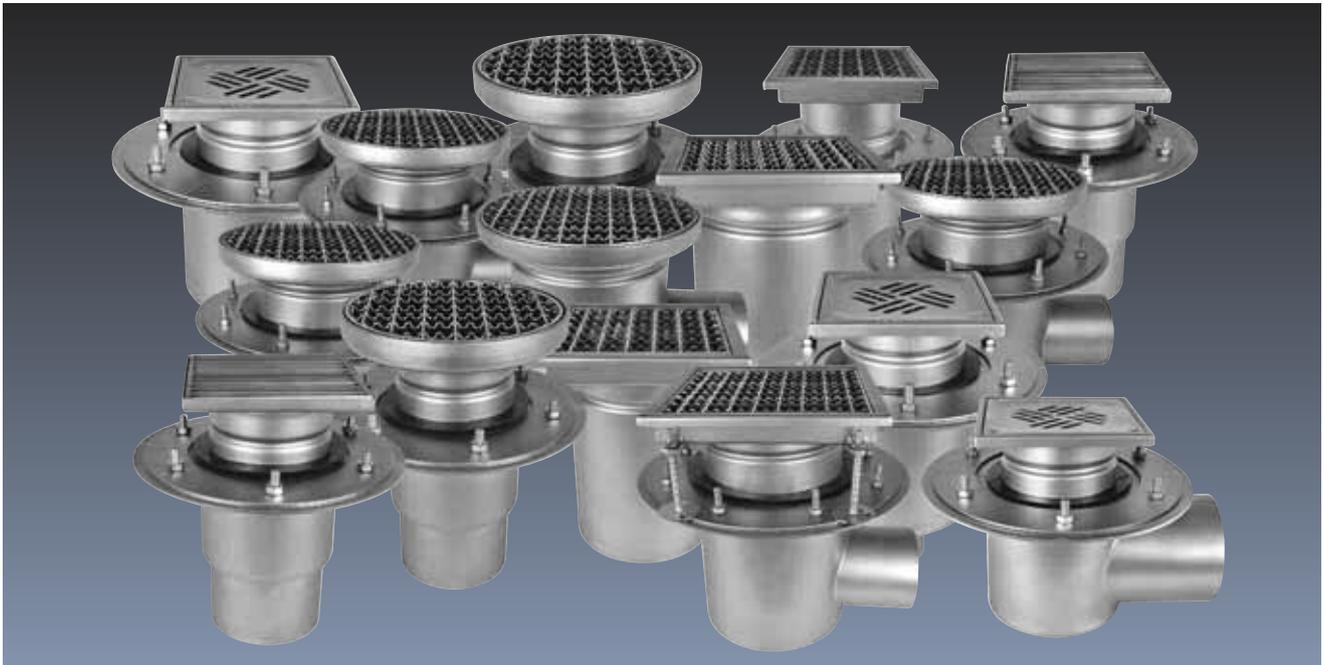
- Stainless steel is very durable and resistant in industrial applications so its life cycle cost is excellent

Sustainable

- Stainless Steel is 100% recyclable
- Around 60% recycled material is used in the production of stainless steel



Stainless Steel Floor Outlets - Product Range Summary



Standard Outlets

The standard outlets are suitable for industrial applications such as chemical, pharmaceutical and food & drink processing. They are available with a vertical or horizontal outlet in 110mm, 160mm or 200mm. The grate options in either square or circular offer weight load class from L15 to M125. See pages 60 to 63.

Compact Outlets

The compact outlets are suitable for connecting to the standard and slot channel drains as an outlet option and also to be used for the domestic applications. They are available with a vertical or horizontal outlet in 50mm or 110mm. Grates available to suit weight loadings up to M125. See pages 64 to 67.



Standard Outlet Example

One-Part/Two-Part Options

The Harmer Stainless Steel floor drains are available in a range of either fixed one-part drain body or as an adjustable two-part drain body which allows full rotation of the grate bezel.

When to Choose a One-Part or Two-Part Assembly

The one-part drain is suitable for a fixed floor finish where a DPM isn't required. The Two-part drain body is ideal for applications where a DPM is required and is especially suited for applications where the floor height is yet to be finalised.

Trapped/Untrapped Options

The standard and trapped drains come complete with an integral trap, if this is not required remove the suffix /T.



Compact Outlet Example

Applications

- Food & drink processing
- Chemical & pharmaceutical industries
- Commercial kitchens
- Hotels & restaurants
- Hospitals
- Health centres
- Supermarkets
- Airports
- Railways
- Utilities
- Sport and leisure
- Prisons
- Energy industry



Stainless Steel Floor Outlets - Product Range Summary

1 Grating

Available in various styles Mesh Anti-Slip, Ladder, Plate and Perforated sheet. Both circular and square options in a variety of sizes. The gratings are chosen according to load class requirements - See below

2 Waste Basket (Optional)

Recommended when the drained wastewater has a high content of solids

3 Trap (Optional)

Functional and easy to maintain, it ensures there is easy access to the sewer, offering quick cleaning

4 Gasket Seal

Ensures an airtight secure fit into the drain body

5 Drain Body (One-Part)

6 Upper Drain Body (Two-Part)

Adjustable vertically and can be rotated to suit the floor finish

7 Flange

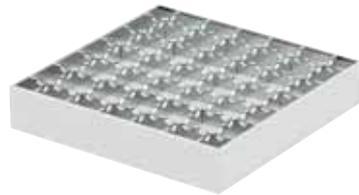
Used to secure the DPM or similar within the floor structure

8 Lower Drain Body (Two-Part)

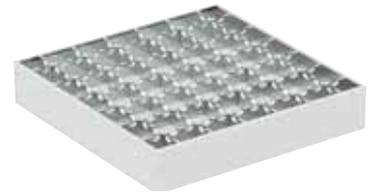
The round shape limits waste accumulation and enables easy waste removal.

Typical Stainless Steel Floor Drainage Assemblies (Standard Range Shown)

One-Part Outlet Components



Two-Part Outlet Components



Load Class of Gratings

Harmer load class gratings installed indoors, classified according to BS EN 1253-1: 2003.



K3 (3 kN)
Places for pedestrian use.



L15 (15 kN)
Areas where vehicular traffic intensity is low, excluding forklifts.



M125 (125 kN)
Areas with intensive vehicular traffic.

