

STAINLESS STEEL RECESSED MANHOLE COVER & FRAME

Product Description

Stainless Steel Recessed Manhole Covers are designed to provide a flush, discreet and durable access solution for inspection chambers, drainage systems, utility services and underground installations. The recessed tray allows the cover to be filled with the surrounding floor finish, such as tiles, stone, marble, terrazzo, concrete or resin, providing an aesthetically integrated appearance.

Key Features

Manufactured from high-quality AISI 304 / AISI 316 stainless steel

Recessed tray design for floor-finish infill

Flush installation with surrounding floor surface

Optional EPDM/neoprene sealing gasket

Optional watertight and airtight construction

Corrosion-resistant and suitable for wet environments

Smooth, hygienic and easy-to-clean surface

Custom sizes and load ratings available

Suitable for internal and external applications

Load Classes A15 / B125 / C250 / D400, subject to design

Standard : EN 124 series, as applicable to specified load class

Size : Standard & Custom Sizes

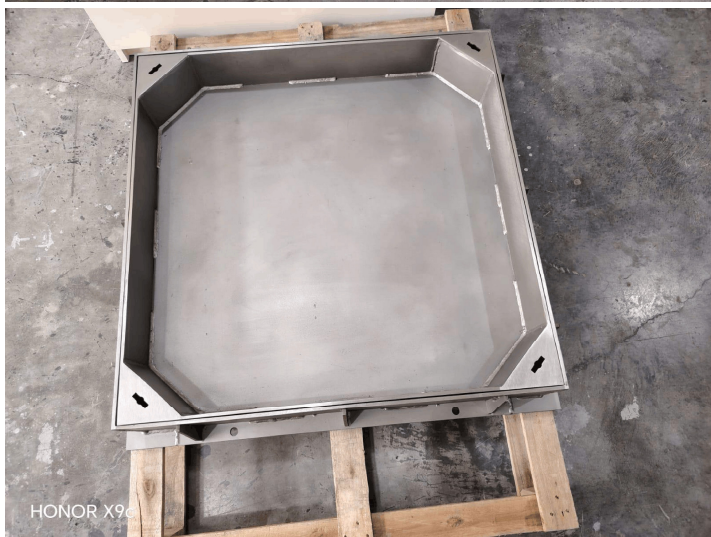
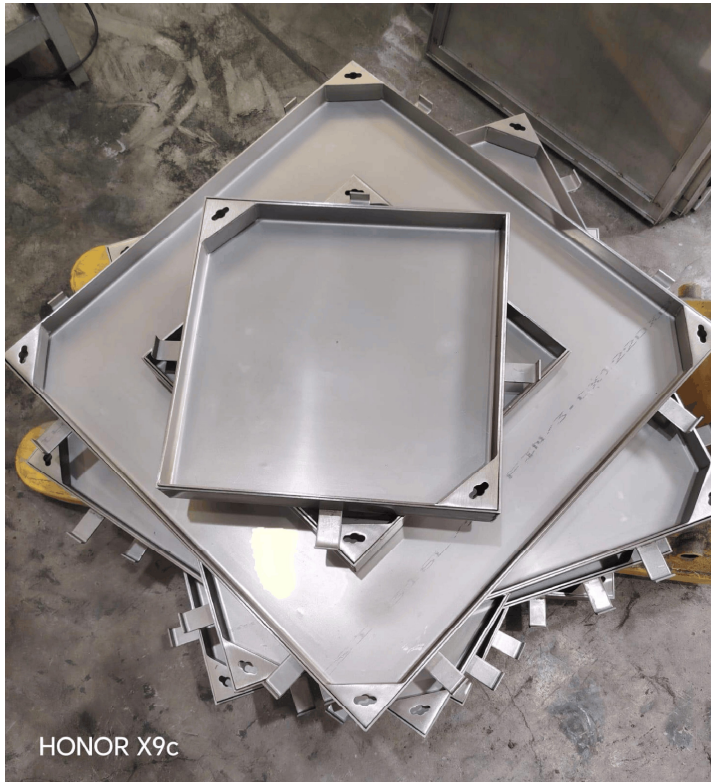
Installation : Floor / Pavement / External hardscape

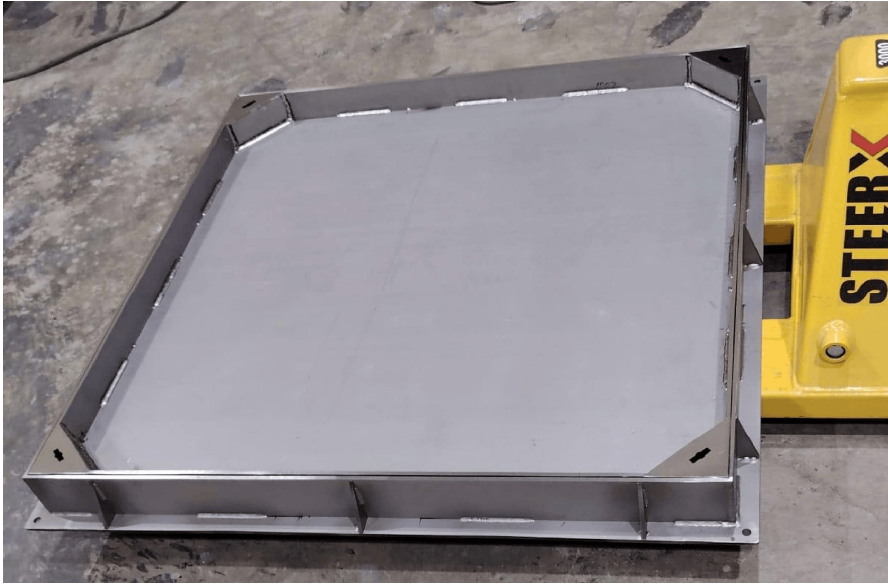
EN 124 covers different load classes according to the intended installation area; therefore, the required class should be specified based on actual site traffic and loading conditions.

Non-standard dimensions can be manufactured according to project requirements.

Applications

Hotels • Villas • Shopping Malls • Commercial Buildings • Hospitals • Kitchens •
Swimming Pools • Landscaping • Pedestrian Areas • Utility Areas • Drainage
Chambers • Service Shafts





STAINLESS STEEL ROOF DRAIN

Product Description

The Stainless Steel Roof Drain is designed for efficient collection and discharge of rainwater from flat and low-slope roofs, terraces and other exposed areas. The drain is manufactured from high-quality stainless steel and incorporates a perforated or slotted dome strainer to prevent leaves, stones and other debris from entering the drainage pipe.

The integrated flange provides a secure connection to the roof waterproofing membrane, while the outlet spigot is connected directly to the rainwater drainage system. The robust stainless steel construction provides excellent resistance to corrosion, weathering and mechanical damage, making the roof drain suitable for long-term outdoor applications.

The roof drain can be supplied with **vertical/bottom outlet or horizontal/side outlet configurations**, depending on project requirements.

Key Features

- Manufactured from stainless steel AISI 304 / AISI 316
- Excellent corrosion and weather resistance
- Suitable for flat and low-slope roofs
- Dome-type removable debris strainer
- Prevents leaves and large debris from entering the drainage pipe
- Available with bottom or side outlet
- Robust welded or fabricated construction
- Smooth internal water flow
- Easy to install and maintain
- Suitable for connection with waterproofing membranes
- Custom sizes and outlet diameters available
- Suitable for commercial, industrial and residential projects

Typical Applications

- Flat roof drainage
- Commercial buildings
- Industrial buildings
- Warehouses

- Residential buildings
- Villas
- Hotels
- Shopping centres
- Parking structures
- Podiums and terraces
- Balcony and terrace drainage
- Roof gardens and landscaped areas



STAINLESS STEEL ABLUTION GRATING

Product Description

The Stainless Steel Ablution Grating is a purpose-designed drainage grating for ablution areas, mosques, washrooms, wet rooms and other high-water-use environments. Manufactured from high-quality **AISI 304 or AISI 316 stainless steel**, the grating provides an effective and hygienic solution for collecting and directing wastewater into the drainage system.

The grating is designed with carefully arranged slots/openings to allow efficient water flow while providing a durable and stable walking surface. Its stainless steel construction offers excellent resistance to corrosion, moisture and frequent washing, making it particularly suitable for demanding wet-area applications.

The grating can be supplied as an **individual floor grating, continuous linear grating or complete drainage channel assembly**, depending on project requirements.

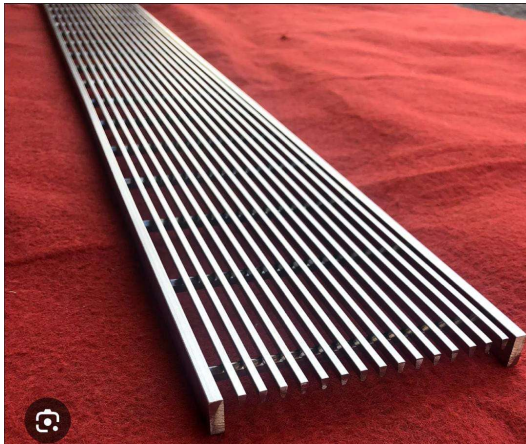
Key Features

- Manufactured from SS 304 / SS 316 stainless steel
- Excellent corrosion resistance
- Hygienic and easy to clean
- Suitable for continuous wet environments
- Efficient water drainage
- Robust and durable construction
- Smooth, professional stainless steel appearance
- Removable design for easy cleaning and maintenance
- Available in standard and custom dimensions
- Suitable for indoor and outdoor applications
- Compatible with stainless steel drainage channels
- Custom slot patterns and dimensions available

Typical Applications

- Mosque ablution areas
- Prayer-area wash facilities
- Wudu areas
- Public washrooms

- Commercial washrooms
- Hotels
- Schools
- Hospitals
- Sports facilities
- Swimming pool areas
- Wet rooms
- Industrial washing areas



STAINLESS STEEL CATCH BASIN

Product Description

The **Stainless Steel Catch Basin** is designed for the collection of surface water, wastewater, debris and sediment before discharge into the main drainage system. Manufactured from high-quality **AISI 304 or AISI 316 stainless steel**, it provides a durable, hygienic and corrosion-resistant drainage solution for commercial, industrial and outdoor applications.

The catch basin incorporates a **removable stainless steel grating** for easy access, inspection and cleaning. The internal sump provides space for collecting sediment, dirt and debris, helping to reduce the risk of blockage in downstream drainage pipes.

The unit can be manufactured with **bottom outlet, side outlet or multiple outlet configurations** according to project requirements.

Key Features

- Manufactured from SS304 / SS316 stainless steel
- Excellent corrosion and moisture resistance
- Removable stainless steel grating
- Integrated sediment collection sump
- Helps prevent downstream pipe blockage
- Easy access for cleaning and maintenance
- Suitable for indoor and outdoor applications
- Robust welded/fabricated construction
- Available in standard and custom dimensions
- Bottom or side outlet options
- Custom outlet diameters available
- Suitable for connection to drainage channels and pipework

Typical Applications

- Commercial kitchens
- Food processing facilities
- Restaurants
- Hotels

- Hospitals
- Shopping malls
- Industrial facilities
- Warehouses
- Workshops
- Car parks
- Loading areas
- Washdown areas
- Plant rooms
- Swimming pool surroundings
- Outdoor drainage areas
- Landscaping and service areas



Stainless Steel Bollard

Stainless Steel Bollards are robust protective posts designed to control vehicle access, protect pedestrians, buildings, entrances, equipment, and other sensitive areas. Manufactured from high-quality stainless steel, they provide a combination of **strength, corrosion resistance, durability, and modern architectural appearance.**

Bin Bay Metal Industries manufactures **stainless steel bollards in SS 304 and SS 316**, with standard or customized dimensions, thicknesses, shapes, and surface finishes to suit different architectural, commercial, and industrial applications.

Key Features

- Manufactured from **SS 304 / SS 316 stainless steel**
- Excellent corrosion and weather resistance
- Strong and durable construction
- Suitable for indoor and outdoor applications
- Modern architectural appearance
- Available in different diameters and heights
- Fixed or removable options available
- Customized fabrication according to project requirements
- Available in brushed, satin, mirror-polished, or other finishes
- Suitable for integration with pedestrian and vehicle-control systems

Applications

Stainless steel bollards are commonly used for:

- Building entrances
- Shopping malls
- Hotels and commercial buildings
- Airports and transportation facilities
- Parking areas
- Pedestrian walkways
- Driveways and access roads
- Industrial facilities
- Hospitals

- Residential developments
- Landscaping and architectural projects
- Security and perimeter protection

Types of Stainless Steel Bollards

Fixed Bollards

Permanently installed bollards designed for continuous protection and vehicle impact resistance.

Removable Bollards

Designed to be removed when temporary vehicle access is required.

Customized Bollards

Fabricated according to project-specific requirements, including special dimensions, mounting arrangements, finishes, and designs.





Stainless Steel Slotted Grating with Angle Frame

Stainless Steel Slotted Grating with Angle Frame is a precision-fabricated drainage grating designed for efficient surface-water drainage while providing a clean, modern architectural appearance. The grating consists of a **stainless steel slotted cover integrated with a rigid angle frame**, providing a neat and secure installation around drainage channels.

Manufactured from **SS 304 or SS 316 stainless steel**, it offers excellent corrosion resistance, durability, and dimensional stability, making it suitable for commercial, industrial, hospitality, landscaping, and wet-area applications.

Key Features

- Manufactured from **SS 304 / SS 316 stainless steel**
- Precision slotted openings for efficient drainage
- Heavy-duty angle frame for secure installation
- Excellent corrosion and weather resistance
- Smooth, hygienic, and easy-to-clean surface
- Modern and aesthetically pleasing appearance
- Suitable for pedestrian and light-vehicle areas, subject to design load
- Available in different slot widths and patterns
- Custom dimensions available
- Suitable for concealed and visible drainage channels
- Available in brushed, satin, mill, or polished finish

Applications

Stainless Steel Slotted Grating with Angle Frame is suitable for:

- Trench and channel drainage
- Commercial buildings
- Hotels and resorts
- Shopping malls
- Hospitals
- Restaurants and commercial kitchens
- Swimming pool surroundings
- Balconies and terraces

- Car parks and driveways
- Landscaping areas
- Industrial facilities
- Wet areas and service zones

Construction

The system generally consists of:

1. Slotted Grating Cover

A stainless steel cover with precision-cut slots designed to allow surface water to enter the drainage channel.

2. Angle Frame

A stainless steel angle frame provides structural support, a clean perimeter finish, and a secure seating arrangement for the grating.

3. Drainage Channel

The grating can be installed over a stainless steel, concrete, or other suitably designed drainage channel.

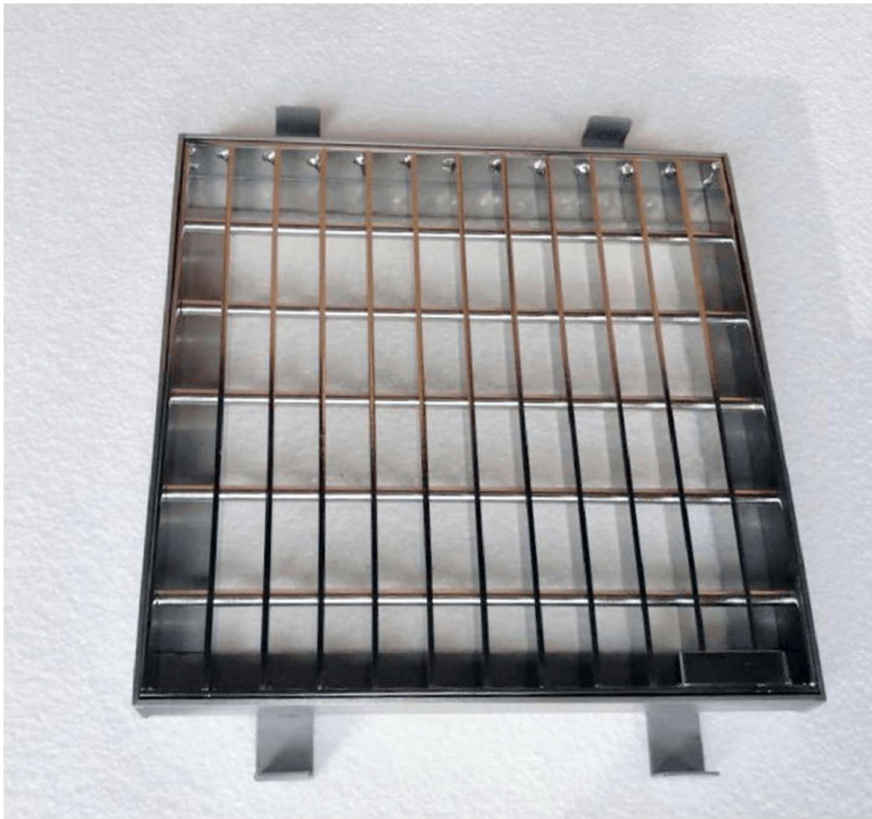
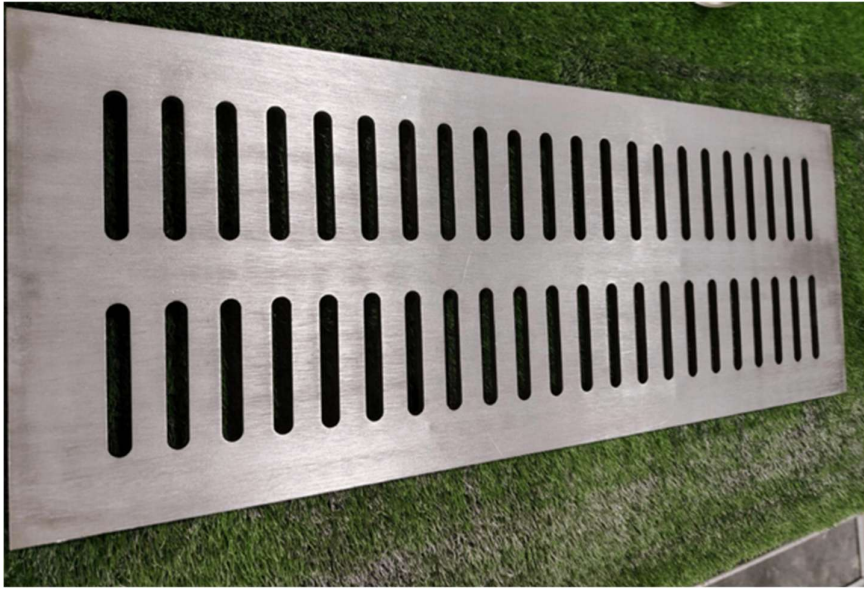
Customized Fabrication

Slot dimensions, grating width, angle-frame size, material thickness, length, fixing arrangement, and surface finish can be customized to meet specific project requirements.

Advantages

- **Durable:** Stainless steel construction provides long-term service life.
- **Corrosion Resistant:** Suitable for wet and demanding environments.
- **Aesthetic:** Slotted design provides a clean architectural appearance.
- **Easy Maintenance:** Smooth surfaces are easy to clean and maintain.
- **Customizable:** Manufactured to suit different channel sizes and project requirements.
- **Hygienic:** Suitable for applications where cleanliness is important.





Stainless Steel Channel with Non-Slip Grating

Stainless Steel Channel with Non-Slip Grating is a durable and safety-focused drainage system designed for efficient surface-water collection while providing a slip-resistant walking surface. The system combines a **stainless steel drainage channel with a non-slip grating cover**, making it suitable for areas where drainage, hygiene, durability, and pedestrian safety are important.

Manufactured using **SS 304 or SS 316 stainless steel**, the system offers excellent corrosion resistance and long service life in wet, humid, and demanding environments.

Key Features

- Manufactured from **SS 304 / SS 316 stainless steel**
- Integrated stainless steel drainage channel
- **Non-slip grating** for improved pedestrian safety
- Excellent corrosion and weather resistance
- High drainage efficiency
- Strong and durable construction
- Hygienic and easy to clean
- Suitable for wet and high-traffic areas
- Removable grating for easy cleaning and maintenance
- Available in different widths, lengths, and load capacities
- Custom-fabricated according to project requirements

Applications

Stainless Steel Channel with Non-Slip Grating is suitable for:

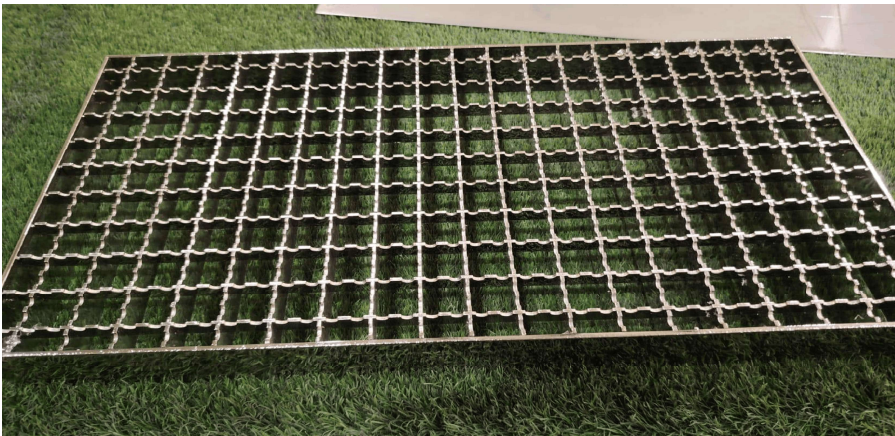
- Commercial kitchens
- Food processing facilities
- Hotels and restaurants
- Swimming pools
- Industrial facilities
- Landscaping areas
- Warehouses and production facilities

Non-Slip Grating Design

The non-slip surface is designed to provide **enhanced traction under wet conditions**, helping reduce the risk of slipping in areas exposed to water, cleaning solutions, or other liquids.

The grating can be fabricated with different **perforation, slot, or anti-slip surface patterns** depending on the required drainage performance, appearance, and application.

Customized: Channel dimensions, outlet locations, grating design, material thickness, and finish can be manufactured according to project requirements.



Stainless Steel Floor Drain

Stainless Steel Floor Drain is a durable and hygienic drainage solution designed for efficient removal of wastewater from floors in wet and high-moisture areas. Manufactured from **SS 304 or SS 316 stainless steel**, it provides excellent corrosion resistance, strength, and long-term performance while maintaining a clean and modern appearance.

Key Features

- Manufactured from **SS 304 / SS 316 stainless steel**
- Excellent corrosion and moisture resistance
- Durable construction for long service life
- Efficient wastewater drainage
- Removable grating for easy cleaning
- Hygienic and easy-to-maintain surface
- Available with anti-odour / water-seal options
- Various outlet sizes and configurations
- Available in square, round, and customized designs
- Suitable for tiled and finished-floor applications
- Brushed, satin, or polished finishes available

Applications

Stainless Steel Floor Drains are suitable for:

- Bathrooms and washrooms
- Shower areas
- Commercial kitchens
- Restaurants and food-processing areas
- Hotels and resorts
- Hospitals and healthcare facilities
- Swimming pools
- Spa and wellness facilities
- Laundry and utility rooms
- Industrial and production areas

- Balconies and terraces
- Wet rooms and service areas

Types of Stainless Steel Floor Drains

Square Floor Drain

A contemporary drainage solution suitable for tiled and architectural flooring.

Round Floor Drain

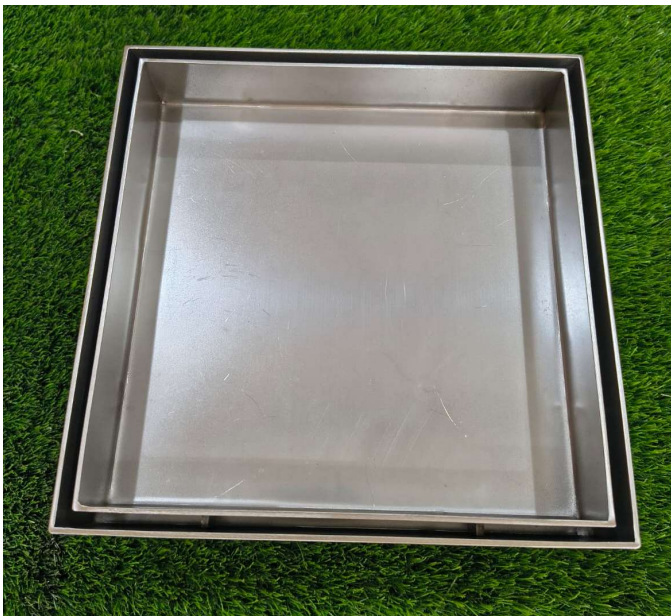
A compact option commonly used in bathrooms, showers, and utility areas.

Tile Insert Floor Drain

Designed to accommodate a tile insert, providing a more discreet and seamless floor appearance.

Heavy-Duty Floor Drain

Fabricated with enhanced material thickness and structural strength for demanding applications, subject to the required load rating.



STAINLESS STEEL SHOWER DRAIN

Product Description

Stainless Steel Shower Drain is a durable and hygienic drainage solution designed for bathrooms, shower areas, wet rooms, hotels, residential buildings, commercial facilities and other areas exposed to regular water flow. Manufactured from high-quality stainless steel, the drain provides excellent corrosion resistance, strength and a modern architectural appearance.

The drain is designed to efficiently collect and discharge wastewater while maintaining a clean and aesthetically pleasing floor finish. Various sizes, outlet configurations, grating patterns and surface finishes can be customized according to project requirements.

Key Features

- Manufactured from high-quality **Stainless Steel SS 304 / SS 316**
- Excellent corrosion and moisture resistance
- Suitable for wet and humid environments
- Hygienic and easy to clean
- Modern, architectural appearance
- High-quality fabricated construction
- Removable grating for easy maintenance
- Efficient water drainage
- Available with different outlet arrangements
- Suitable for tile, stone and other floor finishes
- Custom sizes and designs available
- Available in brushed, satin or polished finishes

Technical Data

Specification	Details
Product	Stainless Steel Shower Drain
Material	SS 304 / SS 316
Body Thickness	1.2 / 1.5 / 2.0 mm or as required

Typical Applications

- Residential bathrooms
- Shower rooms
- Hotels and resorts
- Hospitals and healthcare facilities
- Commercial buildings
- Gymnasiums and fitness centres
- Swimming pool changing rooms
- Spa and wellness centres
- Public washrooms
- Wet rooms
- Restaurants and commercial kitchens where applicable
- Industrial and utility wet areas

Available Grating Options

1. Slotted Grating

Linear slots provide efficient drainage with a contemporary appearance.

2. Perforated Grating

Multiple perforations provide effective water collection and a decorative appearance.

3. Tile Insert Grating

Designed to accommodate the surrounding floor tile, providing a concealed-drain appearance.

4. Custom Pattern Grating

Laser-cut patterns and customized designs can be manufactured according to architectural requirements.

Installation

The shower drain should be installed with the finished floor suitably sloped toward the drain to ensure efficient water collection. The drain body and waterproofing flange should be properly integrated with the waterproofing system. Installation should be carried out in accordance with the project specifications and applicable plumbing/waterproofing requirements.

Maintenance

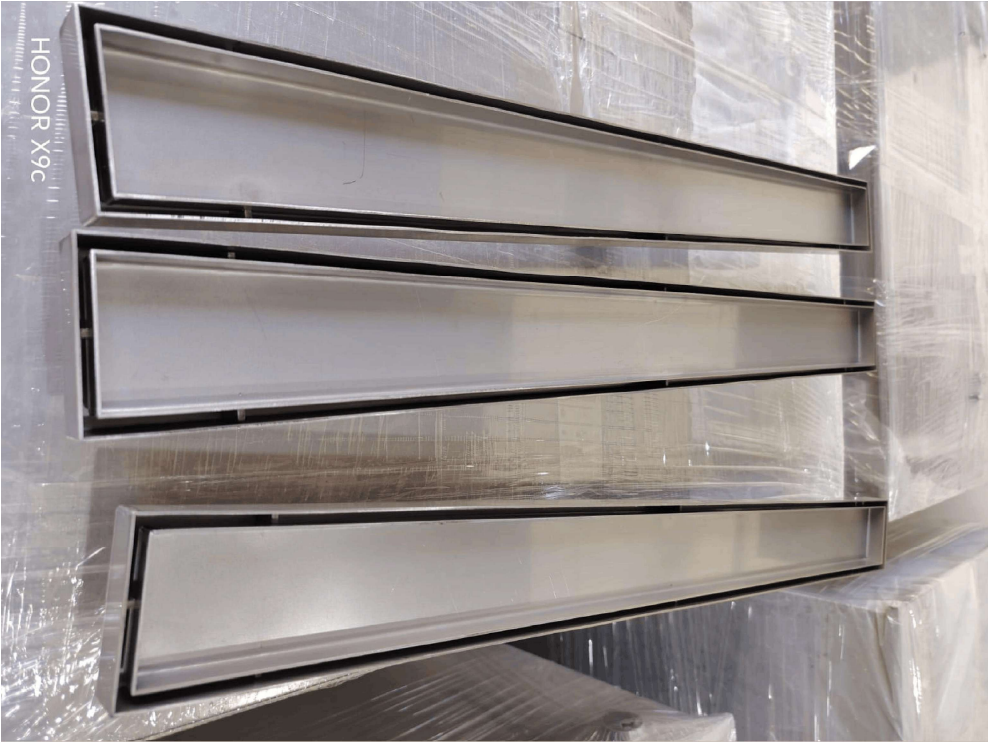
The removable stainless steel grating allows convenient access for cleaning and maintenance. Regular removal of debris, hair and other contaminants is recommended to maintain optimum drainage performance.

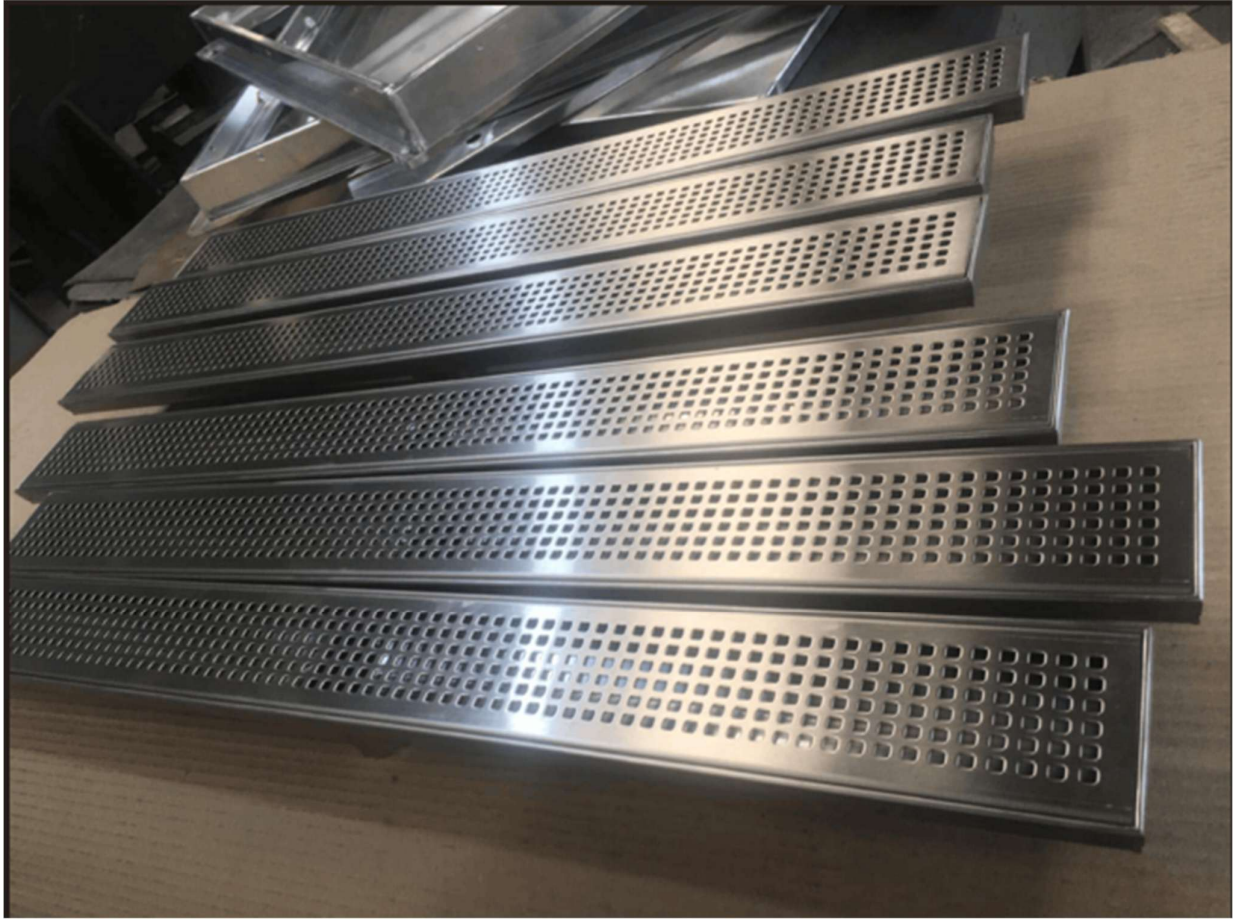
Recommended cleaning: Use mild detergent and water. Avoid abrasive cleaners or tools that may damage the stainless-steel surface.

Finish Options

- **No. 4 Satin Finish**
- **Brushed Finish**
- **Mirror/Polished Finish**
- **Electropolished Finish** – on request







STAINLESS STEEL FLAP TYPE RAIN WATER OUTLET

Product Code: BBM-RWO-FLAP

Product Description

The **Stainless Steel Flap Type Rain Water Outlet** is designed for efficient discharge of rainwater from roofs, terraces, balconies, parapets and external drainage systems. The hinged flap opens automatically under the pressure of flowing rainwater and closes when water flow stops, helping to prevent the entry of rodents, insects, leaves and debris.

Manufactured from high-quality **AISI 304 or AISI 316 stainless steel**, the outlet provides excellent corrosion resistance, durability and a clean architectural appearance. Concealed or stainless-steel hinge arrangements allow smooth flap operation while maintaining a neat external finish. Similar commercial rainwater outlets are offered with optional internal filter grating/mesh for additional protection.

Key Features

- Manufactured from **Stainless Steel AISI 304 / 316**
- Hinged flap for controlled water discharge
- Automatic flap opening and closing
- Helps prevent **backflow and unwanted entry of rodents/insects**
- Concealed hinge option for improved appearance
- Optional stainless-steel perforated/slotted mesh
- Excellent corrosion resistance
- Suitable for internal and external applications
- Easy to install and maintain
- Available in standard and custom dimensions
- Suitable for connection to rainwater drainage pipes
- Smooth, hygienic and easy-to-clean surface

Available Sizes

Model	Outlet Size	Recommended Application
BBM-RWO-FLAP-50	50 mm	Small balconies / terraces
BBM-RWO-FLAP-75	75 mm	Residential drainage

Model	Outlet Size	Recommended Application
BBM-RWO-FLAP-100	100 mm	General roof drainage
BBM-RWO-FLAP-150	150 mm	Commercial / large roof areas
BBM-RWO-FLAP-200	200 mm	High-volume rainwater discharge
BBM-RWO-FLAP-CUSTOM	Custom	Project-specific requirements

Material Options

SS 304:

Recommended for general outdoor and architectural rainwater drainage applications.

SS 316:

Recommended for environments exposed to higher levels of moisture, chlorides or coastal conditions because of its enhanced corrosion resistance.

Commercial stainless-steel rainwater outlets are commonly specified in both AISI 304 and AISI 316 grades.

Surface Finish

- **2B Mill Finish**
- **No. 4 Satin / Brushed Finish**
- **Custom finish upon request**

Optional Features

- Stainless steel perforated mesh
- Slotted internal grating
- Removable filter screen
- Custom flange dimensions
- Custom outlet diameter
- SS 316 construction for coastal applications

A removable filter/grating can be incorporated to provide additional protection against debris and rodents.

Applications

The Stainless Steel Flap Type Rain Water Outlet is suitable for:

- Residential buildings

- Commercial buildings
- Villas
- Hotels and resorts
- Shopping malls
- Industrial buildings
- Rooftops
- Terraces
- Balconies
- Podiums
- Parapet walls
- Basement drainage discharge
- Landscape drainage
- Rainwater downpipes
- External façade drainage

Advantages

Durable Construction

Fabricated from corrosion-resistant stainless steel for long service life.

Effective Rainwater Discharge

The flap opens with water flow to provide an unobstructed discharge path.

Rodent & Pest Protection

The closed flap helps restrict unwanted entry through the drainage outlet.

Architectural Appearance

The clean stainless-steel finish provides an attractive solution for visible façade and parapet applications.

Low Maintenance

Smooth surfaces and removable optional screens facilitate cleaning and inspection.

