



LINE DRAINAGE SYSTEMS STANDARD CHANNELS

Standard channels are used for accumulating water from the surface of a floor and carrying it away to sewage system. This type of dehydration is used in food processing plants (breweries, dairy plants, slaughterhouses), in chemical industry, in gastronomic facilities, hospitals and others.

They are also used when sanitary rules and technological requirements force you to install stainless steel dehydrations in regard of **high standards of hygiene** in production rooms.

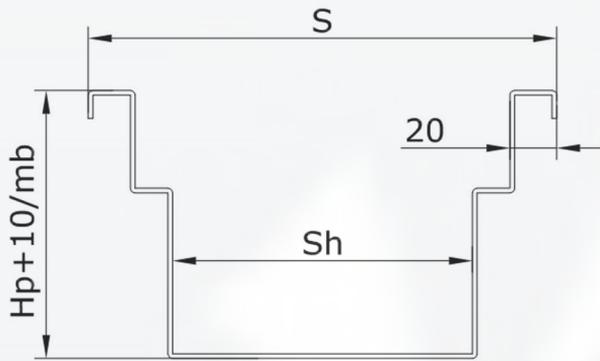


In our offer you can find **standard channels** made of **stainless AISI 304** or **acid-resisting AISI 316** steel. **Standard channels** are provided with bottom drop. In order to make assembly easier every channel is equipped with rectification screws and anchoring elements. They allow the **standard channels** to be leveled correctly and secured in concrete.

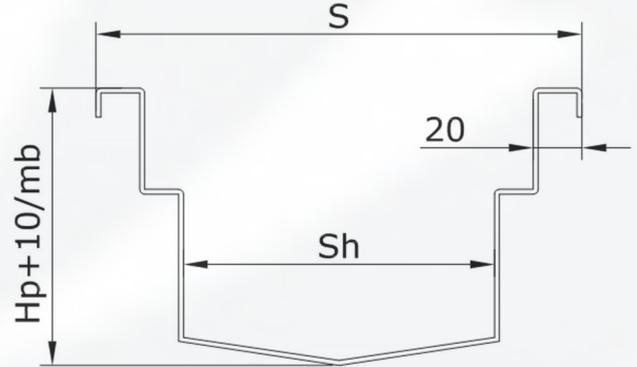


Types of channel sections:

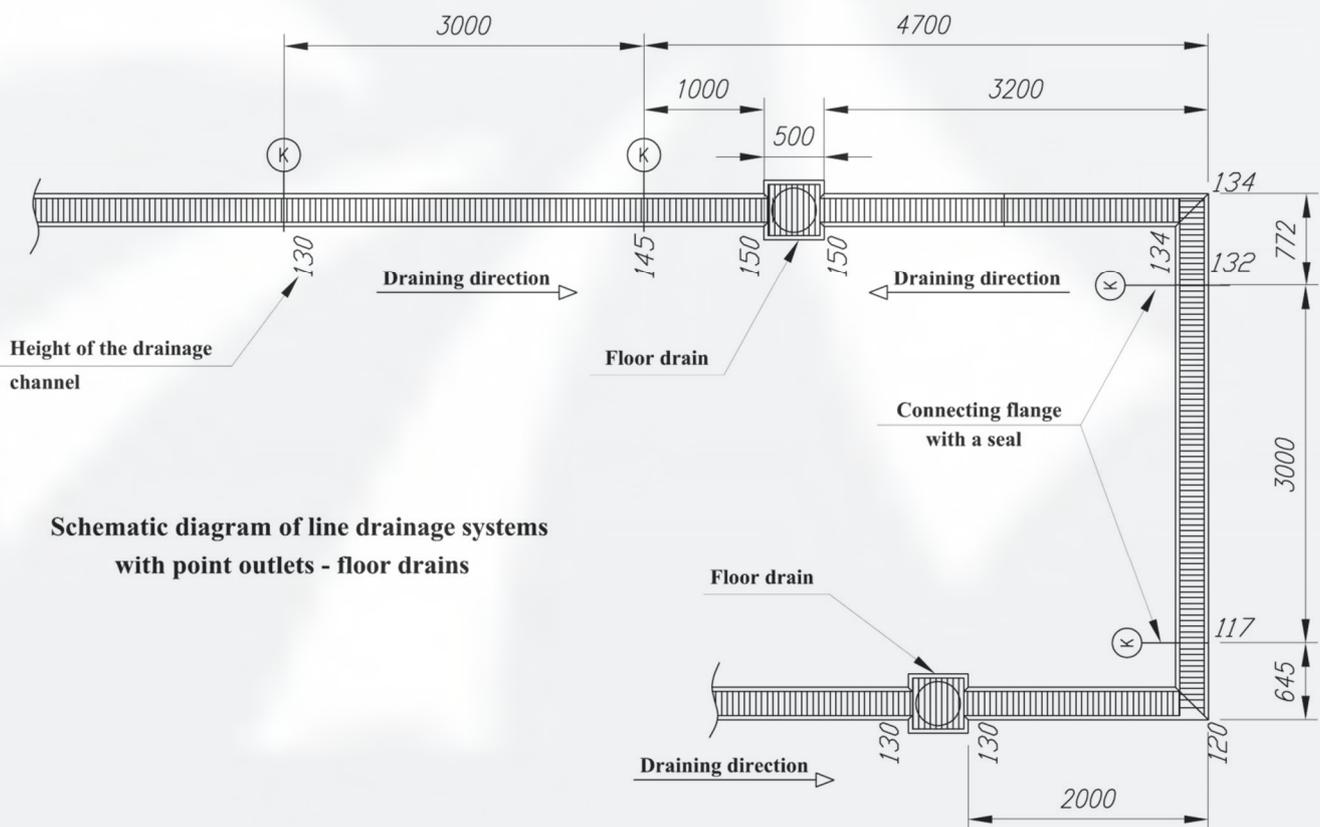
Section of flat base channel



Section of "V" base channel



S – width of the channel, Hp – initial height of the channel, Sh – drainage – working space of the channel

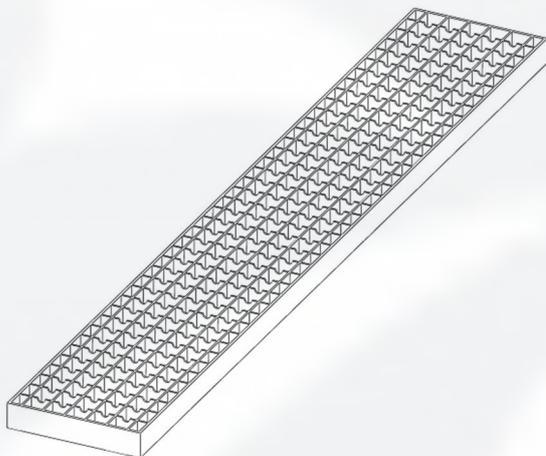


Schematic diagram of line drainage systems with point outlets - floor drains



Gratings:

Antislip mesh grating - that is most commonly used as a covering of the **standard channels** - meshes 23x23[mm] and carrying flat bar 25x2 or 30x2[mm]. Beside such a solution we can offer you **ladder, plate** and **perforated sheet grating**. In our offer, grates in different size and dimensions are available.



Anti-slip mesh grating

Ladder grating

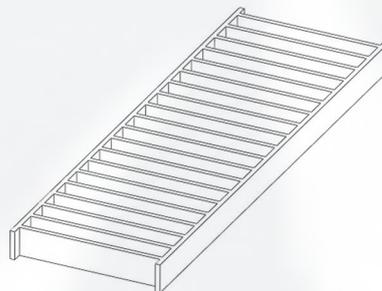
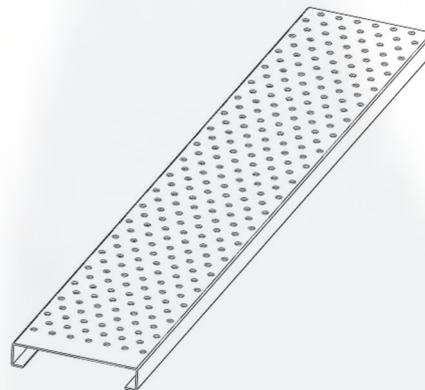
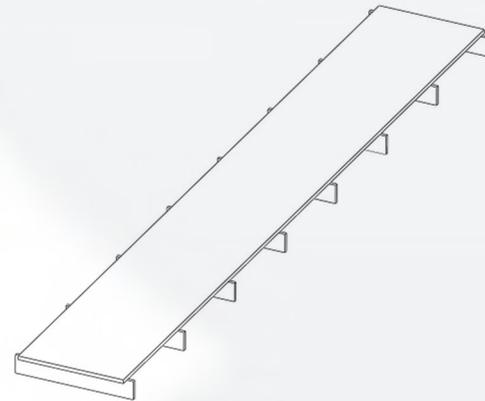


Plate grating



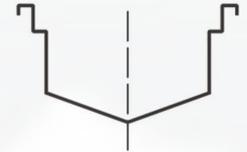
Perforated sheet grating



Channel edge finishing:



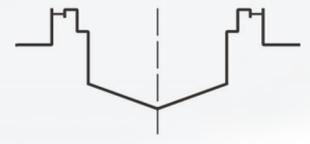
with downward flange (standard)



with tiling flange



with edge angle section



with sharp edges

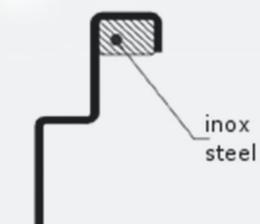


Edge backfilling:

Standard edge without backfilling



Edge backfilled with stainless steel. The edge backfilled with a steel profile or flat bar – it should be used in the zones with intensive traffic and high loads





Installing the channels:

- Before the process of installing the channels, turn each parts so as to ensure tightness between the segments - the connection flange - gasket - flange
- Install the channel prepared as above in the sewer service pipe's socket - spigot
- After completing the above it is time to leveling channel – edge of channel should be 1,0-1,5 [mm] below the floor level
- When the channel is stabilized, we recommend to secure it against from movement while concreting
- Pour concrete on the leveling legs and anchoring elements
- Supply of concrete in hard to reach areas should be done using a spatula
- During concreting, we recommend to insert the bar in place of the grating (wooden beam)
- Make sure the elements are clean, free of dirt. Remove gratings, sediment basket and trap