

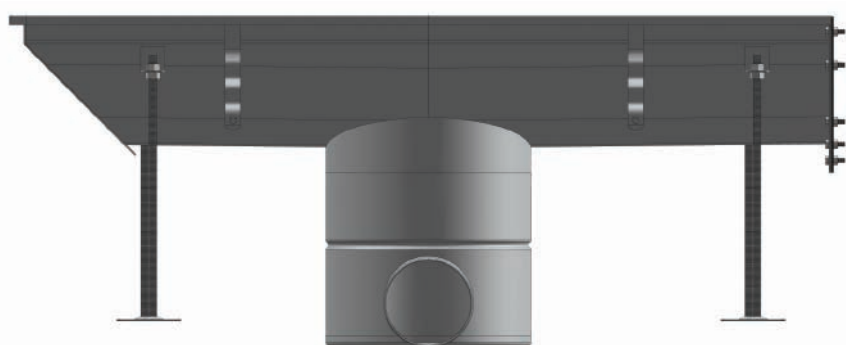
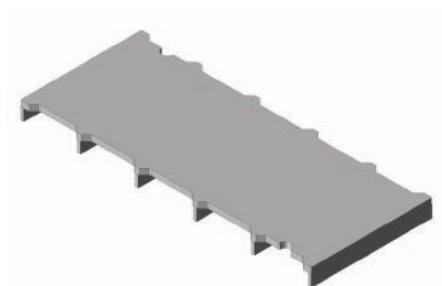
# Hygienic Design

## Trench Drains & Slot Channel

Food & Beverage Production

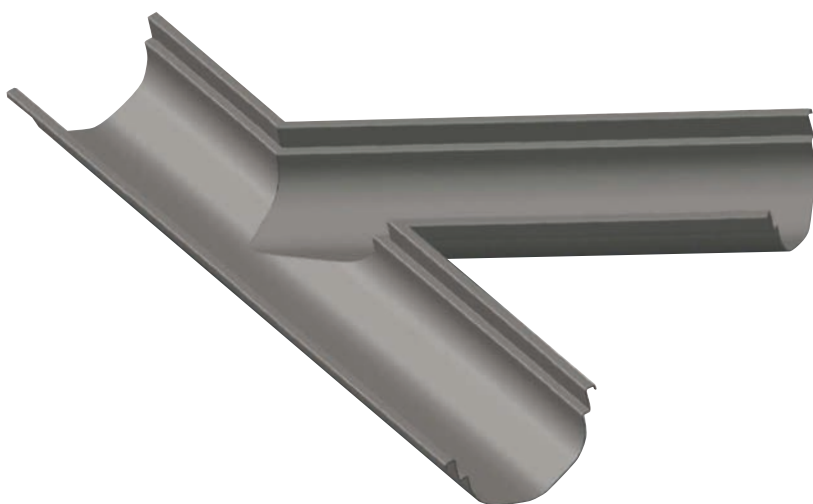


## PLATE GRATING



Innovative rounded bottom hygienic channel:

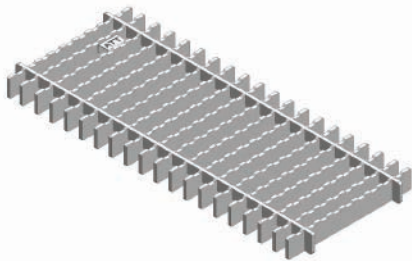
- flow is more laminar in comparison with typical rectangular shape bottom of the channel
- the discharge of fluids into the channel causes less pollution
- user needs less amount of water to keep the channel clean



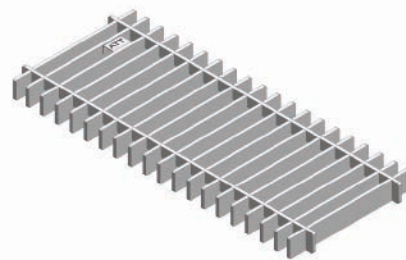
Benefits:

- faster transfer of fluids to the outlet
- reduction of the bacteria accumulation
- ecology & efficiency

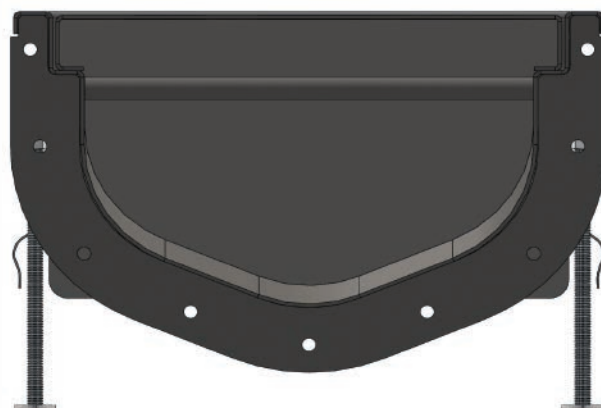
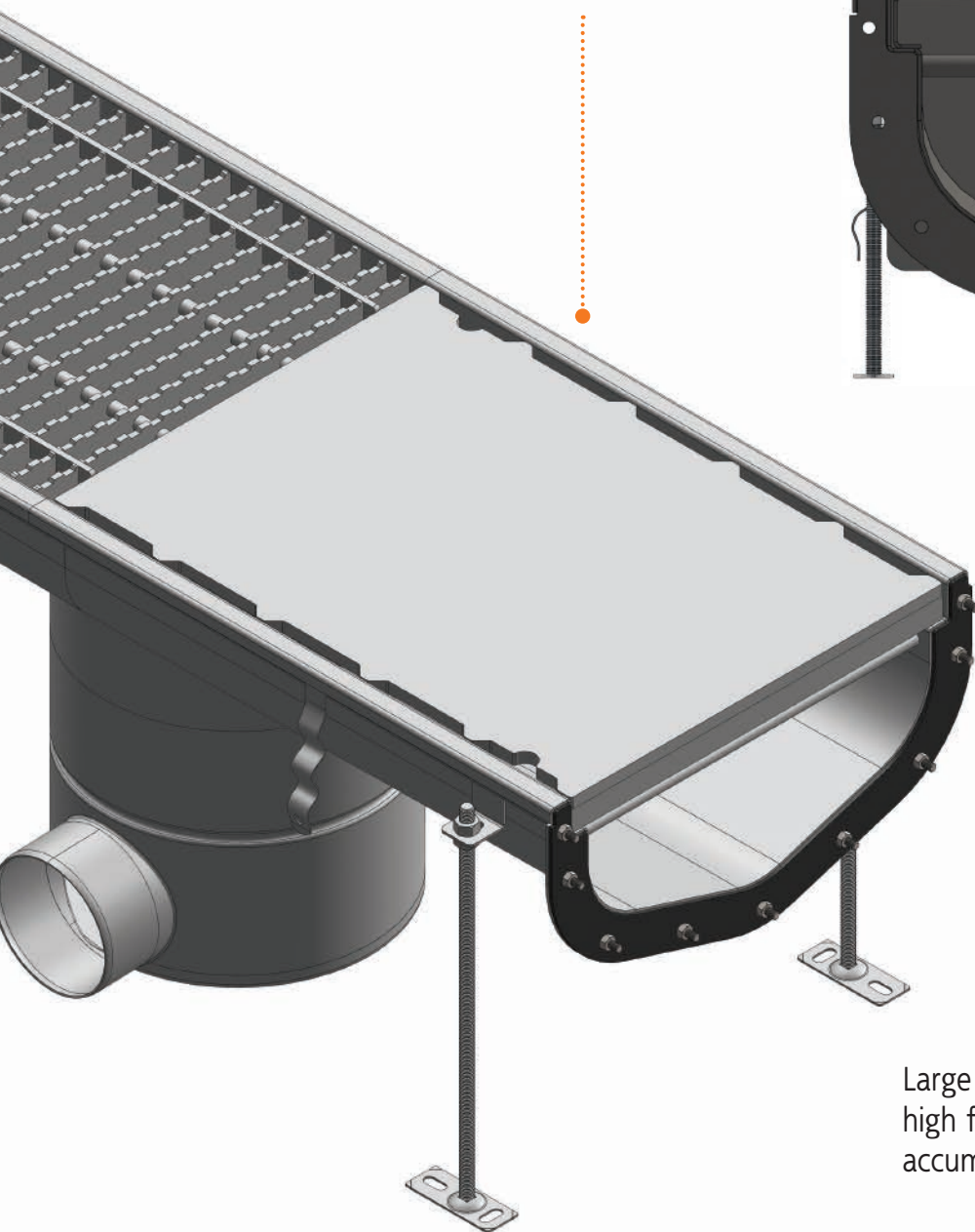
ANTI-SLIP LADDER GRATING



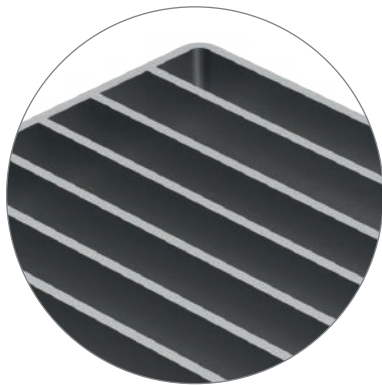
LADDER GRATING



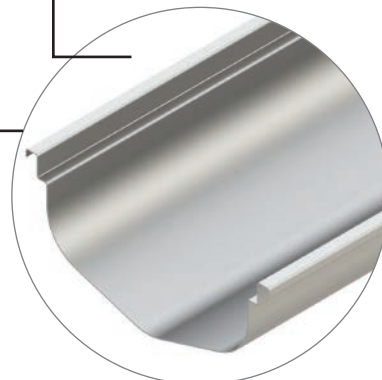
High load class plate grating.



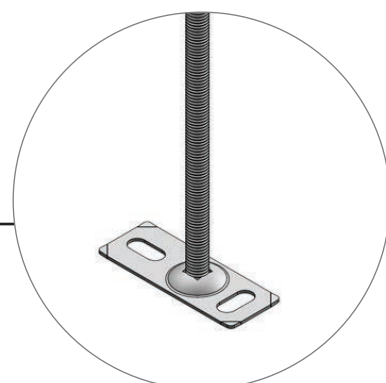
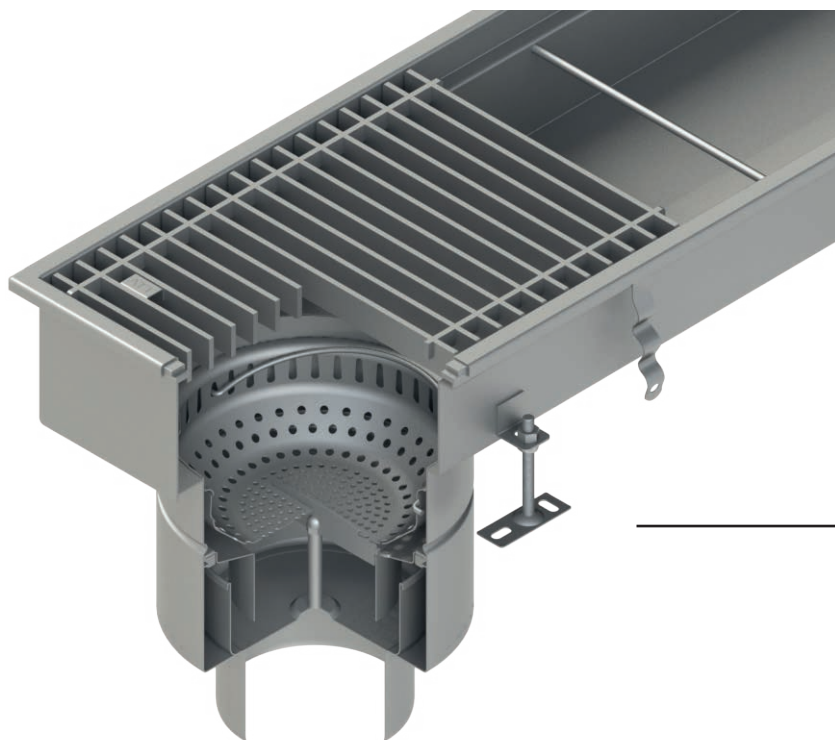
Large radius U-shaped bottom provides high flow rate capacity and prevents from accumulation of contamination.



Continuous welding prevents dirt accumulation.



Folded edges. Rounded or curved bottom.



Levelling feet made of stainless steel.

### Waste basket



Deep pressed, without welding, single hygienic element for effective cleaning and removal of solid wastes.

### Trap



The inverted trap provides maximum protection against odors and bacteria penetration.

*\* Coordinate with local plumbing code*



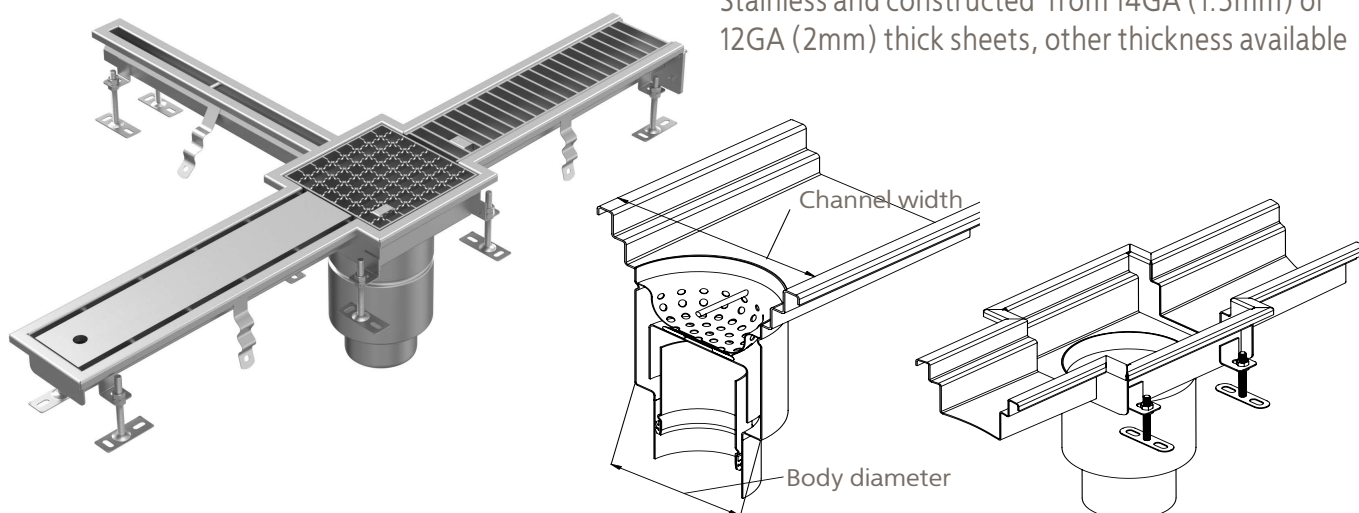
Typical layout of the channel is shown in the figure below. The placement of floor drains and the channel route depends on the needs and the amount of water to be drained from the floor. The two systems we offer, standard and slot channels, can be combined.

The channel route should be decided by the design engineer in cooperation with the process engineer. In case of any technical questions relating

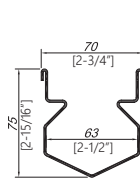
to the drainage system, please do not hesitate to contact our consultants.

The channel outlet is fitted with trap and waste basket, securing the sewage system from solid impurities. We can insert horizontal water-proof insulation into the flange of the floor drain. This solution assures leak tightness in the area of out-flow passage through the floor.

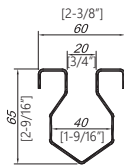
Available in AISI304, AISI316, & AISI316L grade Stainless and constructed from 14GA (1.5mm) or 12GA (2mm) thick sheets, other thickness available



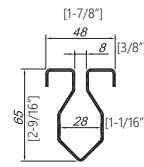
## MINIMUM HEIGHTS FOR STANDARD AND SLOT CHANNELS



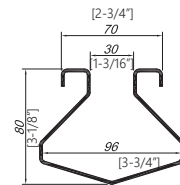
(Sa) - Mini standard channel



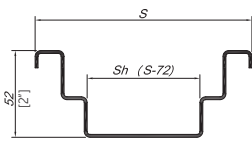
(Sb) - Slot channel



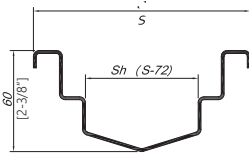
(Sc) - Mini slot channel



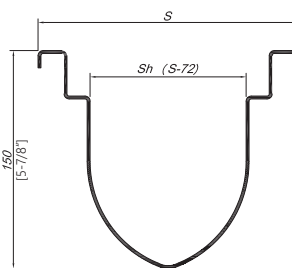
(Sd) - Maxi slot channel



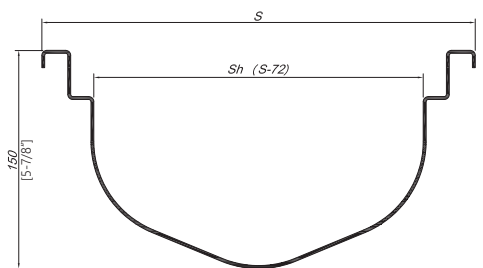
(Sf) - Standard channel with flat bottom



(Sv) - Standard channel with v-shaped bottom



(Su) - Narrow standard channel with rounded u-shape bottom



(Su) - Wide standard channel with rounded u-shape bottom

### STANDARD SIZES:

**Slot:** (Sa) 2-3/4", (Sb) 3/4", (Sc) 3/8", & (Sd) 1-3/16"

**Lengths:** 3'-0", 4'-0", 6'-0", 8'-0", 12'-0", 16'-0"

18'-0", 20'-0", & custom

### EDGES FILLING

Standard edge (Epoxy).

Edge filled with synthetic. It facilitates assembly and prevents empty spaces between concrete and the edge, thus protecting the edge of the channel against deformation under heavy loads.

Edge with stainless steel filling. Edges filled with flat bars should be used in areas of high traffic intensity and high utility loads.

Edge with an edge angle section. The angle is connected with the edge of the channel via bars. This type of edge is used to create expansion joint along the standard channel, e.g. at high temperatures of drained liquids.

Edge with a strip for vinyl floors. The strip is installed on the channel edge. It provides a tight plate connection between the channel and a floor covered with vinyl.

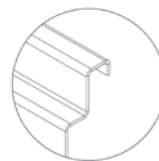
Edge with reinforced stainless steel (IRK) tube. Edges filled with IRK Tubes should be used in areas of high traffic intensity and high utility loads.

### Trench Width:

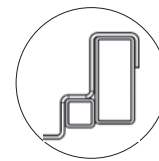
Flat (Sf) 6", 8", 10", 12", 16", 18", 20", & 24"

V-Shape (Sv) 6", 8", 10", 12", 16", 18", 20", & 24"

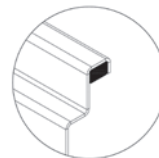
U-Shape (Su) 6", 12", 16", 18", 20", & 24"



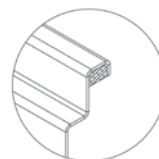
No fill



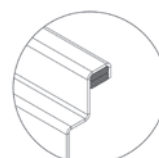
IRK  
Reinforce  
Stainless Steel  
Tubing



Rubber fill



Epoxy



Stainless Steel Flat bar fill

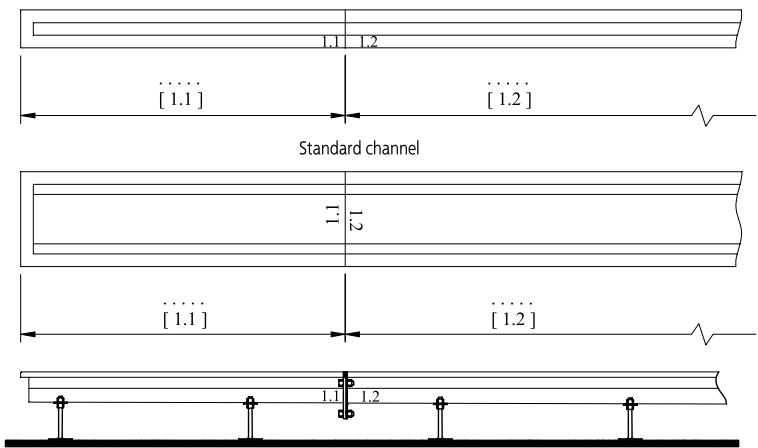


Edge angle



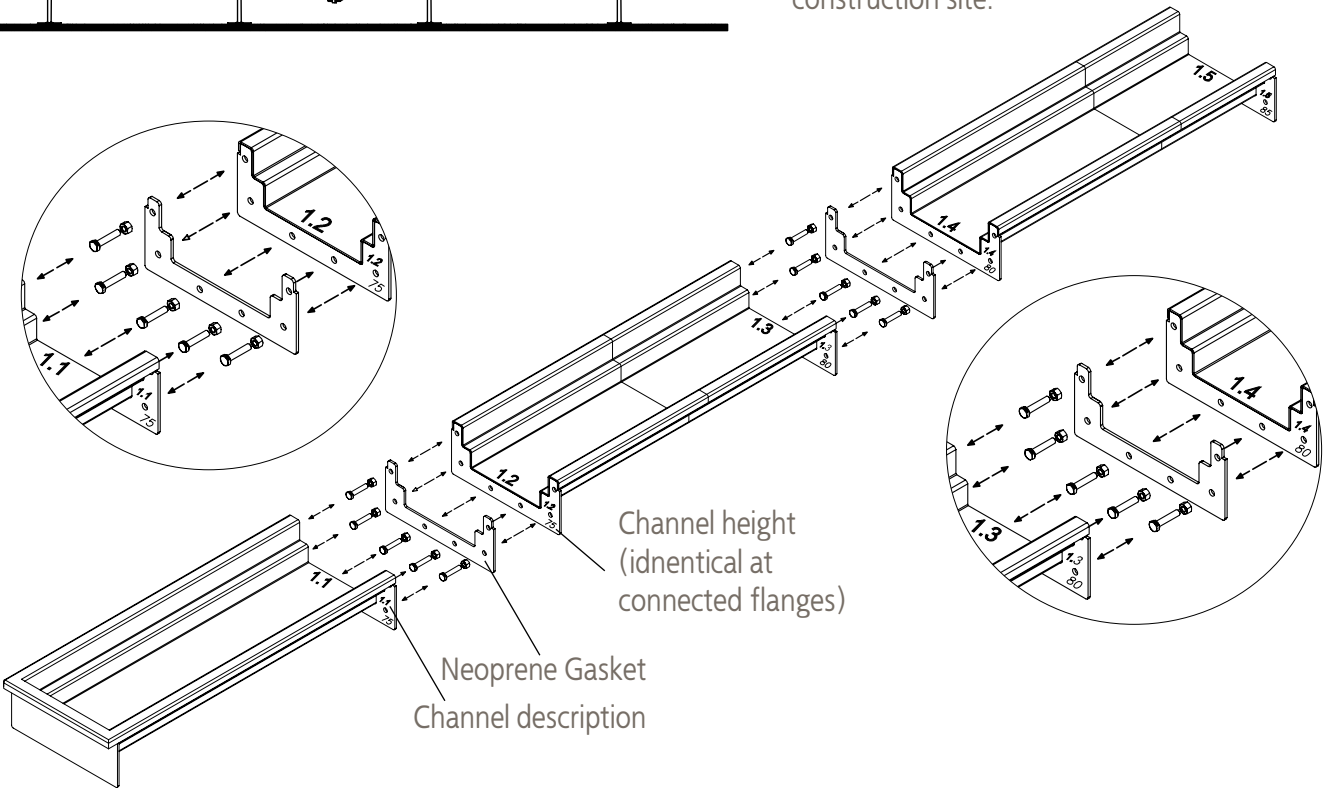
Strip for vinyl floors

# CHANNEL CONNECTION DRAWING



Channels are divided into sections appropriate for transport, as a standard their length does not exceed 20 feet or 6 meters. Length of the sections also depends on manufacturing technology.

At the connection point the channel is approximately 1in or 25 mm lower, due to the presence of the connection flange. It is also possible to weld the channel directly at the construction site.





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