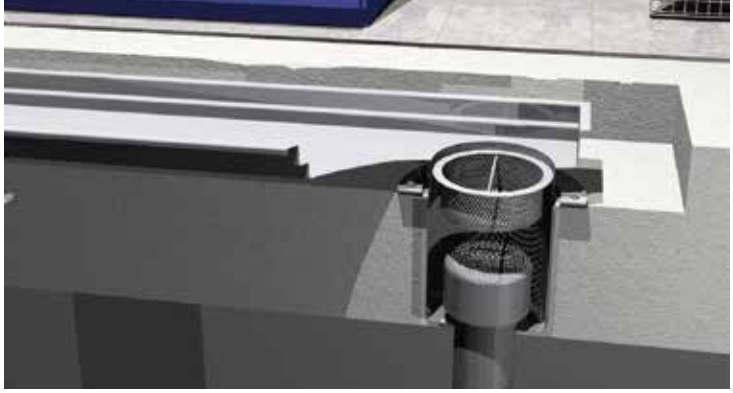
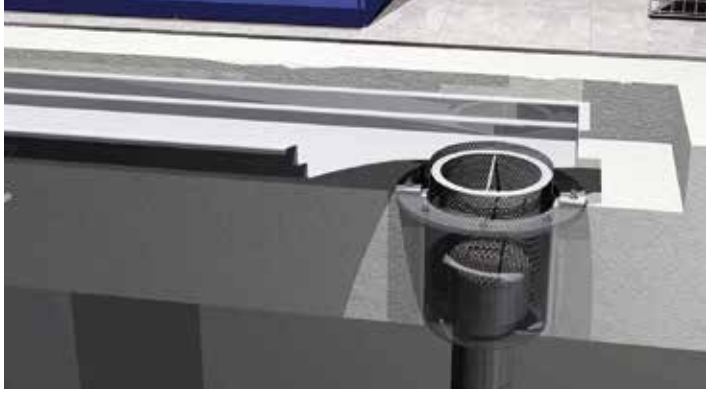
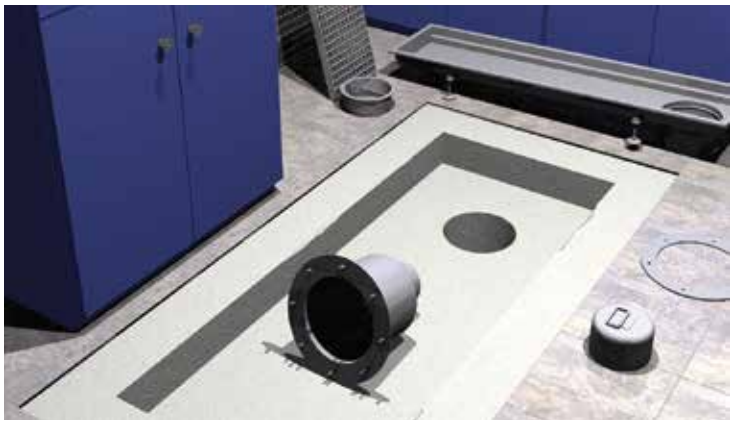
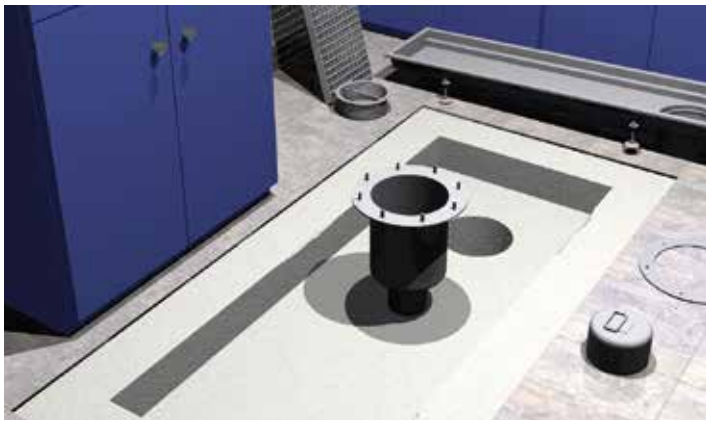
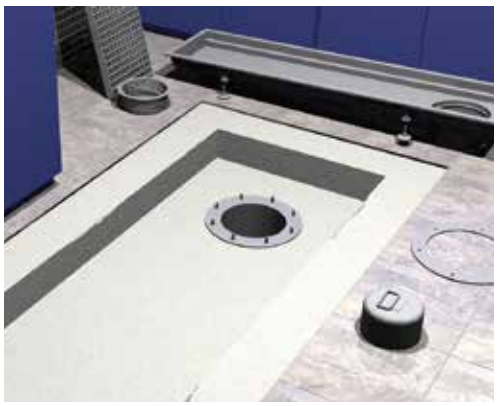
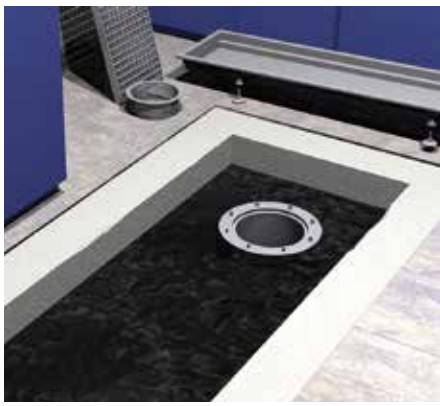








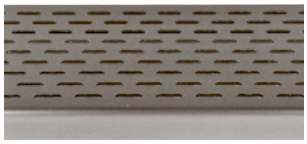


STANDARD CHANNELS

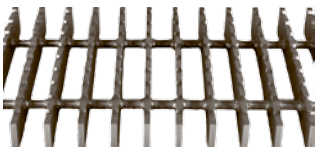
GRATINGS

The most typical grating to cover the standard channels is the anti-slip mesh grating with 23 x 23 [mm] mesh size and the load-bearing angle 25 x 2 or 30 x 2[mm]. Our product range also includes the ladder, plate or perforated sheet gratings, all in different sizes and dimensions.
The grating type is selected according to the channel location, load and functionality requirements. In the areas where forklift trucks traffic is intense, we recommend the plate grating, whereas mesh type is preferable, if the amount of the water to be drained is significant.

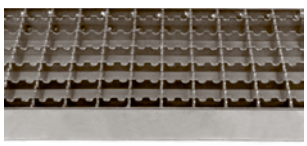
Below load classes are stated for the channels S150/200, made of standard material thickness.



perforated sheet grating

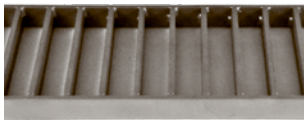


ladder hygienic grating



anti-slip mesh grating

plate grating

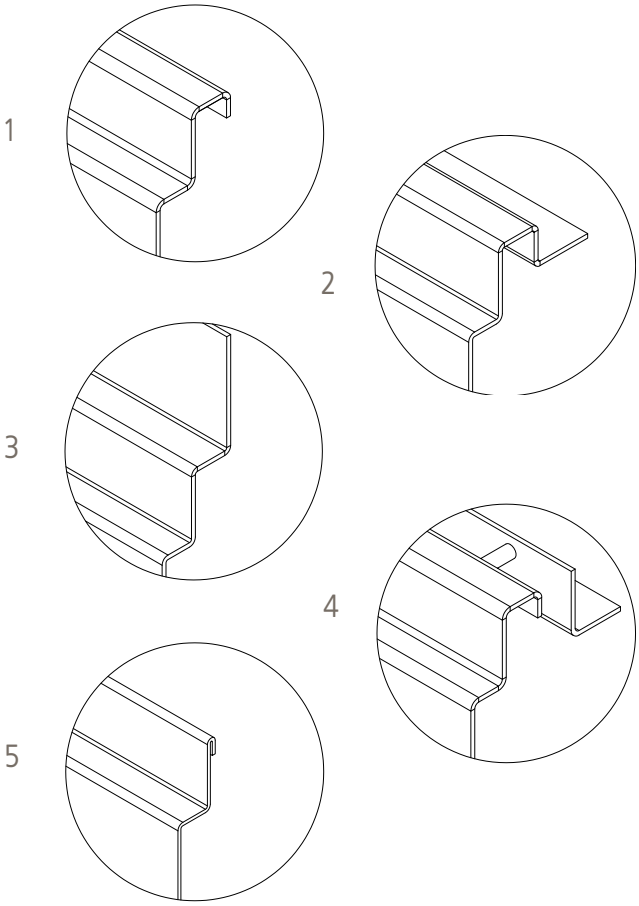


ladder grating

CHANNEL EDGE FINISHING

The edge finishing should depend on the flooring and wastewater temperature.
We can offer the following options:

1 - with downward flange (standard)
2 - with flange
3 - with raised back edge
4 - with edge angle section for expansion joint in the floor
5 - with tightly folded edges

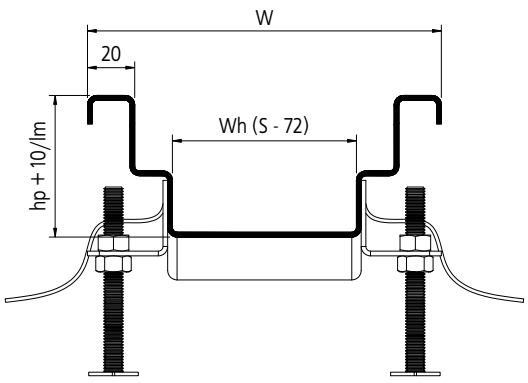


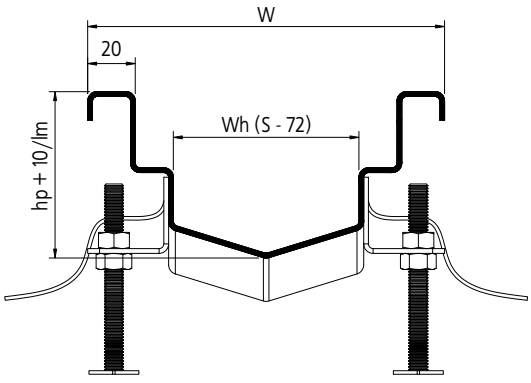
STANDARD CHANNELS

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.

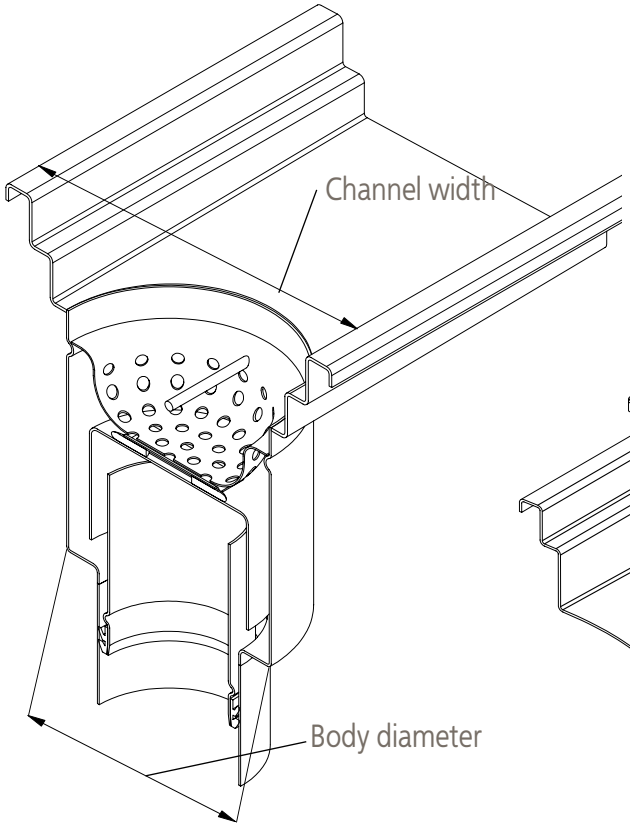
The channel outlet is fitted with trap and waste basket, securing the sewage system from solid impurities. We can insert horizontal water-proof insulation into the flange of the floor drain. This solution assures leak tightness in the area of outflow passage through the floor.

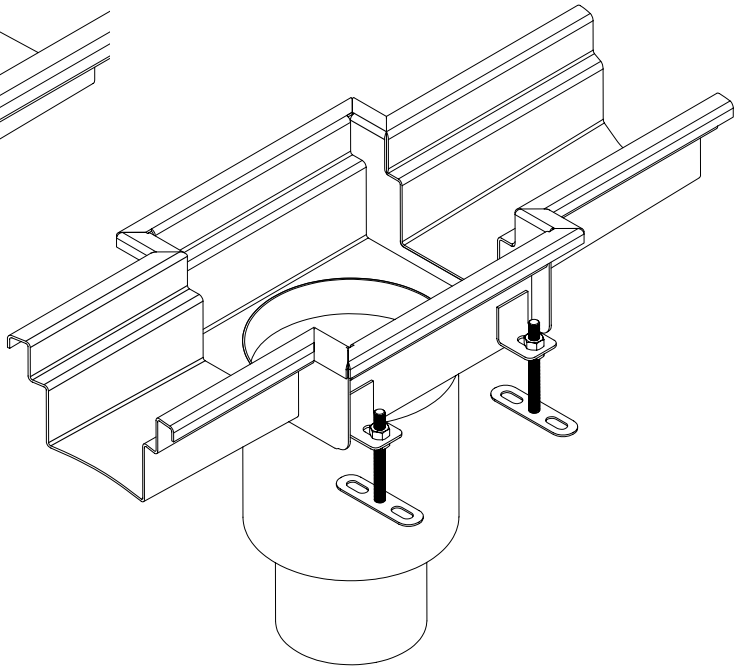




hp – initial height, channel's bottom slope depends on needs and installation abilities
W - channel width
Wh - hydraulic width

STANDARD CHANNELS





The table below shows standard dimensions of channel extension depending on type of used outlet. The extension is always 10 mm deeper than the channel it is connected to.

Due to the fact that the grating has bearing elements of one direction only, the extension is asymmetrical, which prevents incorrect installation.

Outlet type	Outlet diameter [mm]	Body diameter [mm]	Extension size (length x width) [mm]	Channel without extension		Flow rate (l/s)
				Min. channel's width [mm]	Min. Hydraulic width [mm]	
Wm150,200/110V1/2,H1/2	110	110	205x200	S190	120	0,5
W200/110V1p,H1p	110	157	245x240	S240	170	2,2
W200/110V2p,H2p	110	142	245x240	S220	150	2,2
W250/110V1,H1	110	193	275x270	S270	200	3
W250/110V2,H2	110	172	275x270	S250	180	3
W300/160V1,H1	160	255	340x335	S330	260	9
W300/160V2,H2	160	234	340x335	S310	240	9
W400/200V1,H1	200	348	435x430	S430	350	12
W400/200V2,H2	200	308	435x430	S390	320	12

V1 vertical floor drain single part

V2 vertical floor drain two - part

H1 horizontal floor drain single part

H2 horizontal floor drain two part