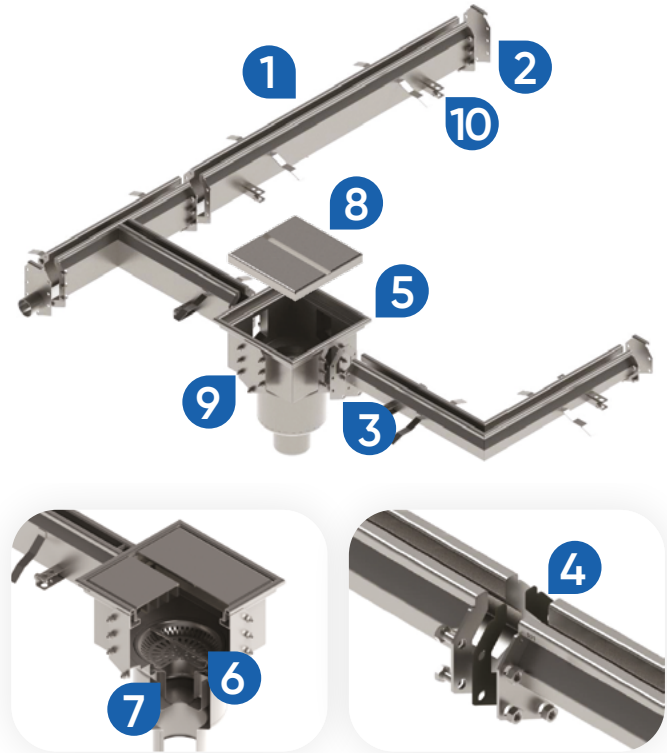
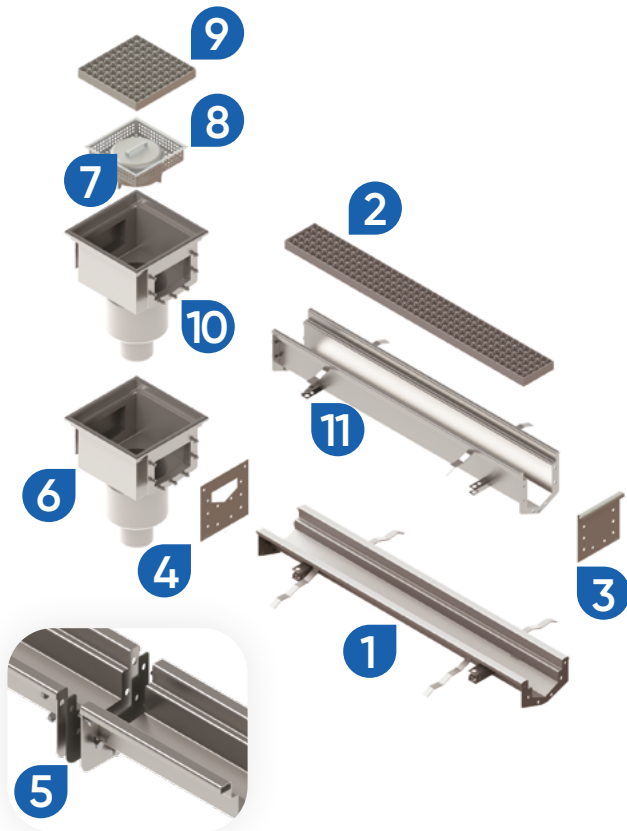


STAINLESS Trench Drain / Slot Drain Installation Instructions



scan for video



Component Identification:

Item	Description
1	Trench Drain Channel
2	Grate
3	End Cap
4	Flange
5	Gasket
6	Catch Basin
7	Hydro-lock
8	Basket
9	Basin Grate
10	Nuts/Bolts
11	Rebar Supports

Component Identification:

Item	Description
1	Slot Drain Channel
2	End Cap
3	Flange
4	Gasket
5	Catch Basin
6	Hydro-lock
7	Basket
8	Basin Slot Grate
9	Nuts / Bolts
10	Rebar Supports

Channel preparation

Vodaland's STAINLESS series is designed to provide a simple and modular approach to commercial sanitary drains. Offered in both a trench drain and slot drain design, our clients can choose the design that best suits their needs. Both offer pre-sloped and neutral channels, 90-degree channels, T-shape channels, basins, and outlet end caps. This allows customers to arrange a system in the most beneficial design and shape for their project.

The STAINLESS channels are available in both neutral and pre-slope options, with many height variations for each. For this reason, it is important to understand how to identify what each unit is. The simplest way to identify each drain is by the numbers stamped into each end of every channel. This number indicates the height of the facing side, the direction of the slope, and what channel you must connect to it. The channel numbers are stamped from 1-15, with 1 being the smallest unit we offer, and 16 being the largest. Neutral channels will have the same number on each side, since each

end should be equal in height. The sloped channels will have two different numbers on each side, with the direction of slope going from the smaller number to the larger. When building a multi-channel system, you are meant to connect the faces with matching numbers together. For example, a sloped unit with 11 on one side and 12 on the other, will then connect into a 12 to 13, and so on. If there is ever confusion, you are always welcome to reach out to a Vodaland representative for clarification.

End Caps

Our end caps are used to close the end of the channel, to cap off connections on the basins, and for connecting to piping with an outlet end cap. There are 4 universal end caps that can fit on several different sized channels. You can find a compatibility chart below:

End Cap (SKU)	Compatible Neutral Channels (SKU)	Compatible Sloped Channels (SKU)
Type A	Neutral 1-4	Sloped 1-4*
Type B	Neutral 5-8	Sloped 4**-8*
Type C	Neutral 9-12	Sloped 8**-12*
Type D	Neutral 13-15	Sloped 12**-15

*Corresponding end cap fits on only the smaller (starting) end of sloped channel.
 **Corresponding end cap fits on the larger (ending) end of the sloped channel.

Flange

Our flanges are used for connecting shallow channels to deeper channels and for connecting the channels to our inline catch basins. There are 3 universal flanges that can fit on several different sized channels. You can find a compatibility chart below:

End Cap (SKU)	Compatible Neutral Channels (SKU)	Compatible Sloped Channels (SKU)
Type A	Neutral 1-4	Sloped 1-4*
Type B	Neutral 5-8	Sloped 4**-8*
Type C	Neutral 9-12	Sloped 8**-12

*Corresponding end cap fits on only the smaller (starting) end of sloped channel.
 **Corresponding end cap fits on the larger (ending) end of the sloped channel.

These end caps and flanges are to be fastened on using the provided nuts and bolts on the channels. To seal the connection, customers can either use one of our gaskets, or add a layer of sealant which is compatible with stainless steel.



Flange for Trench Drain Channel

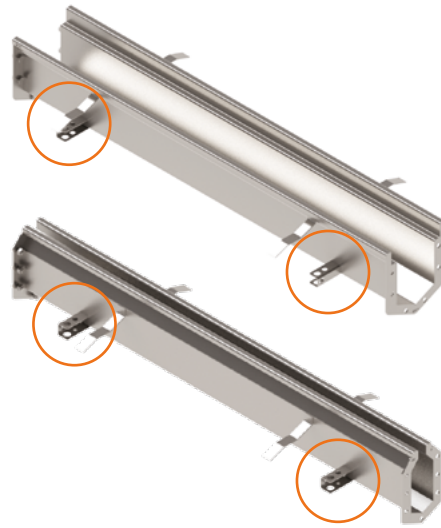


Flange for Slot Drain Channel

Installation preparation

Our STAINLESS slot drains and trench drains are meant to be encased in concrete, and should sit level with the surrounding surface. This then requires an appropriately sized trench be allocated for correct encasement: If you are adding a linear drain to your existing floor, then you'll need to cut approximately 4-6 inches of additional space on each side and below each slot/trench drain. If you are adding a linear drain to a brand new floor, then identify the space required for encasement so it is not obstructed by other construction, and make sure you have allocated enough space beneath the drain for proper encasement.

Once you have created enough space for the drain, you can now begin setting up your system. Since our drains have a V-bottom, it is essential that they be suspended by supporting rebar. The protruding beams on each side of the channel with openings is where rebar should be connected for proper suspension. Now that you have connected your system together, and suspended it on rebar supports, you are now ready to encase the channels in concrete.



Channel installation

When encasing the drain in concrete, it is important to follow these steps:

- 1 Since the drains are suspended in the air while being encased, it is important to keep them held firmly in place. Make sure there is no movement during the pour by either holding the drain firm, or weighing it down.
- 2 It is best to keep the grates in during the pour. This way if the channel walls tighten during the pour, it will form to the width of the grate. Please ignore this step if you are installing a slot drain.
- 3 To avoid having concrete enter the channel during the pour, it is recommended to place a protective layer over the slot opening / grates. Plywood or tape are the most common products used for this.

FAQ's

What type of stainless steel are these made of?

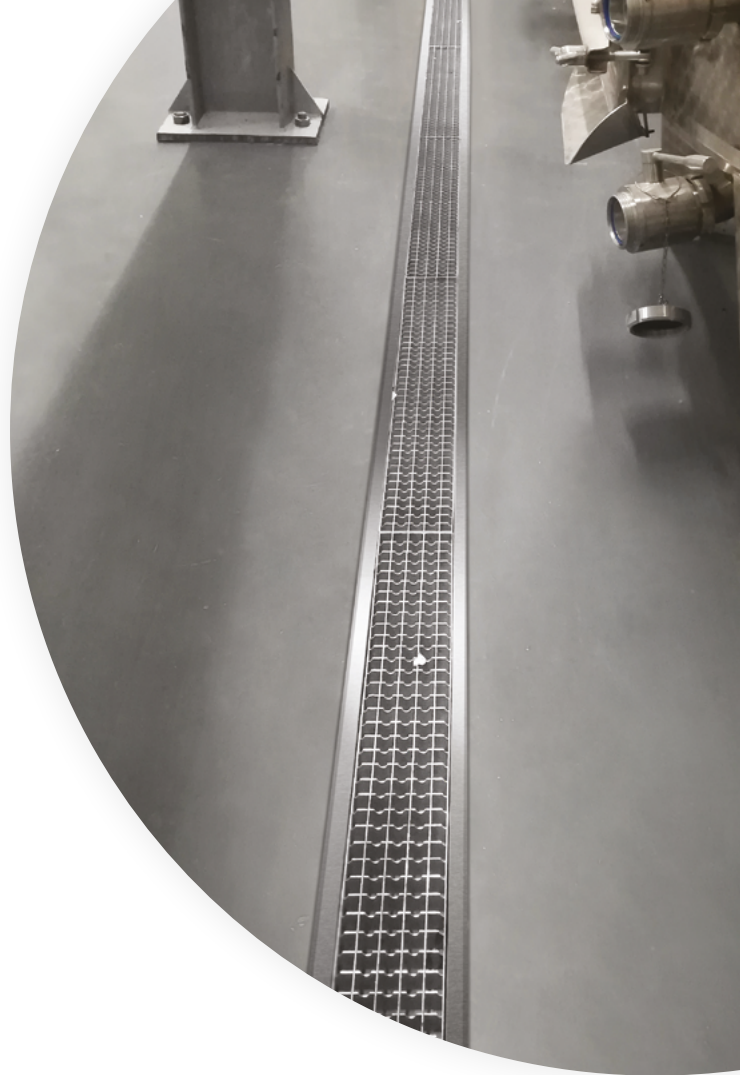
All STAINLESS products are made 100% of 304 food grade stainless steel. The only additional material is the rubber in our gaskets and hydro-locks.

What makes this system food safe/grade?

Firstly 304 stainless steel is the most popular choice for food grade applications due to its ability to prevent rust/corrosion and maintain its quality even in harsh environments. By using stainless steel, it also means that your surfaces can be treated with chemicals or high temperatures while not ruining the condition of your drain. Lastly, our system's unique features like our hydro-locks and reversible grates are designed to keep your facility safe and sanitary.

Do I need a basin for my system? Are all the basin accessories necessary?

A basin is a recommended addition to your system as it prevents unwanted debris/sediment from entering into your piping. When STAINLESS systems are collecting purely water/liquids then a basin may not be needed. If the system has a chance of collecting solids, then the debris basket in the basin filters these solids out before they have chance of blocking your plumbing. The hydro-lock is another accessory for the basin that may not be needed but is a helpful addition. It prevents the risk of dangerous fumes in sewage pipes from re entering the facility and possibly contaminating surfaces.



Vodaland fully stands behind each and every one of our products. We always urge our customers to email or call us with any questions. If you ever have any issues or concerns, we would like to hear them, please send us an email at info@vodaland.ca

Thank you again for your business!

Please note: All the specifications, drawings, and installation schemes can be found and downloaded on our website. Go to the product page and you'll find tabs for all these options at the bottom of the page. Installation videos can also be found on **YouTube** at: **Vodaland Canada**.

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YouTube: Vodaland Canada