

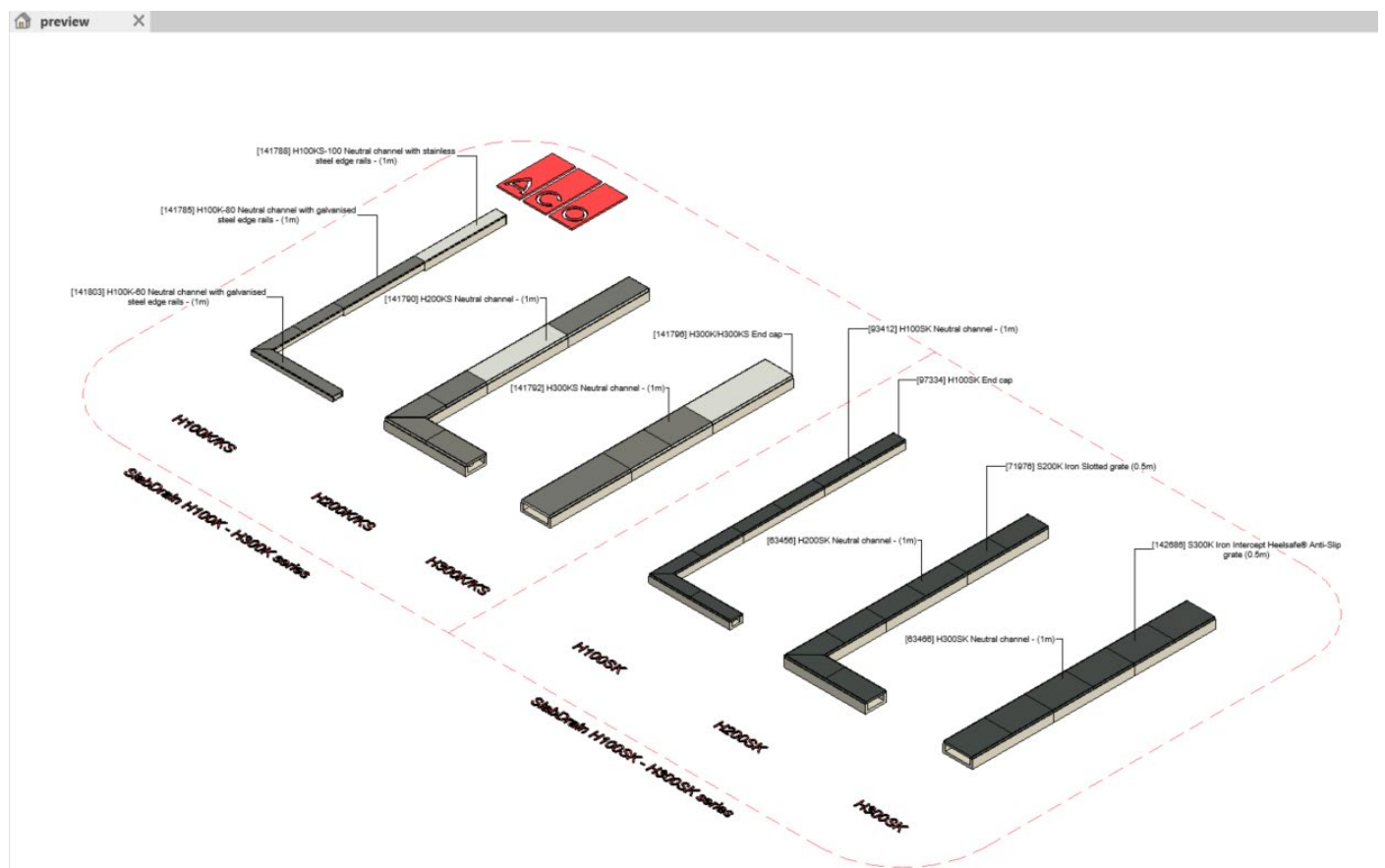
ACO_SlabDrain_HK and HSK_Series_AUS

User Guide for Autodesk Revit files

ACO SlabDrain HK – HSK Series Packages

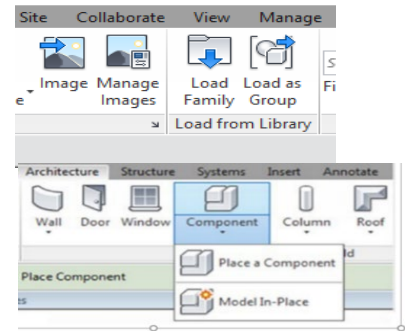
This project includes the following Revit families along with accessories.

1. PF_ST_SlabDrain_H100K_Channels_AUS_ACO.rfa
2. PF_ST_SlabDrain_H200K_Channels_AUS_ACO.rfa
3. PF_ST_SlabDrain_H300K_Channels_AUS_ACO.rfa
4. PF_ST_SlabDrain_H100SK_Channels_AUS_ACO.rfa
5. PF_ST_SlabDrain_H200SK_Channels_AUS_ACO.rfa
6. PF_ST_SlabDrain_H300SK_Channels_AUS_ACO.rfa



Loading ACO SlabDrain HK – HSK Series into the project:

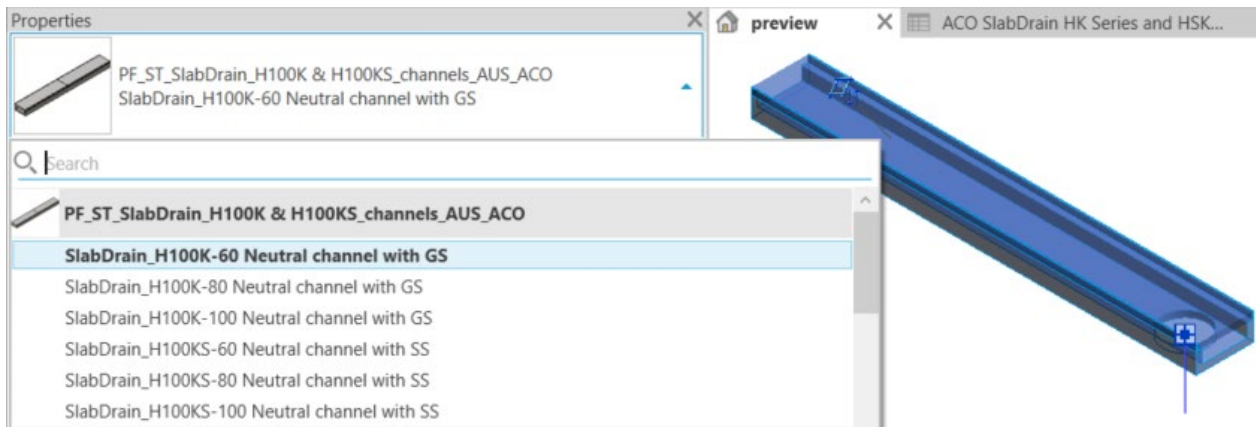
1. Download the **ACO_SlabDrain_HK - HSK series** project file and save it to a suitable location.
2. Select any one of the family **HK or HSK Channels** from **ACO_SlabDrain_HK – HSK series** load to your project.
3. Navigate to the “Insert” icon on the Revit ribbon and click “Load Family”
4. The file can now be placed into your project. Navigate to the “Architecture/Component” icons on the Revit ribbon and click “Place a Component”



Placing of families

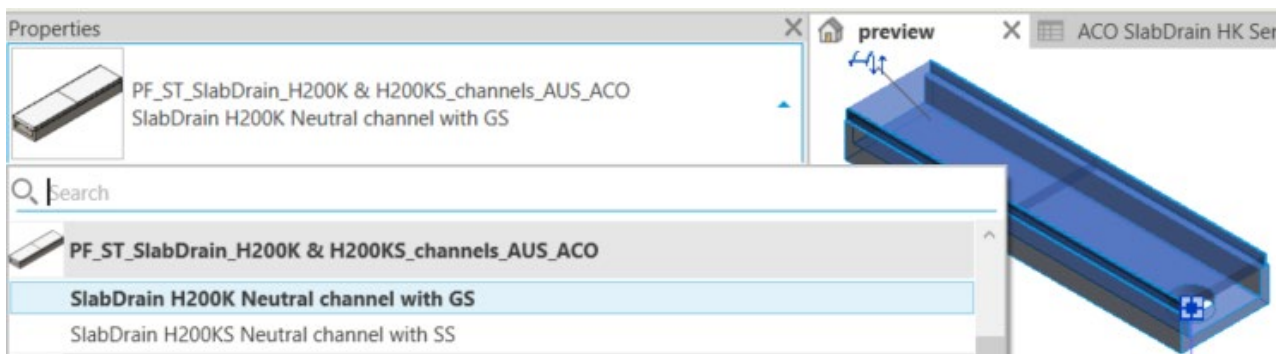
For H100K Channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H100K_Channels_AUS_ACO.rfa** family consists of different **Invert Depths** from **SlabDrain H100K/KS Invert Depth 60mm to SlabDrain H100K/KS Invert Depth 100mm**. Channels including **GS and SS edge rail** user must select the appropriate family type from the “Properties” drop down menu.



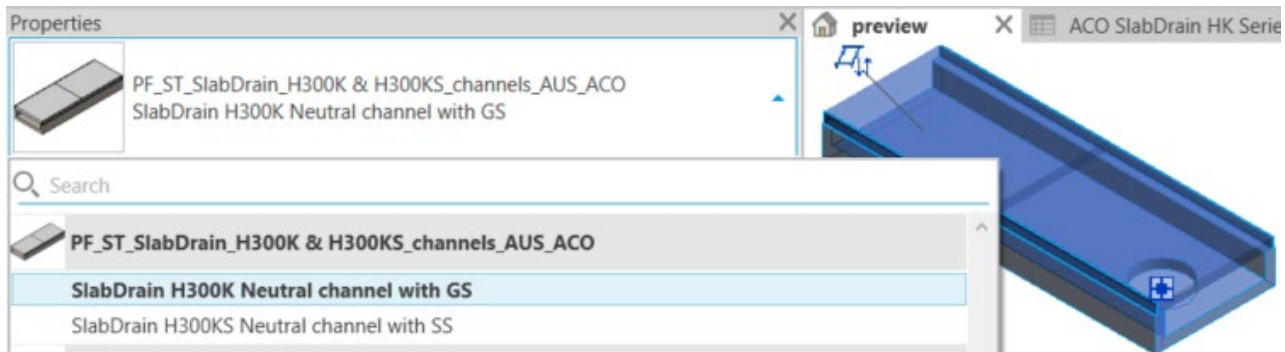
Similarly, For H200K

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H200K & H200KS_channels_AUS_ACO.rfa** family consists of SlabDrain H200K Channels including GS and SS edge rail user must select the appropriate family type from the “Properties” drop down menu.

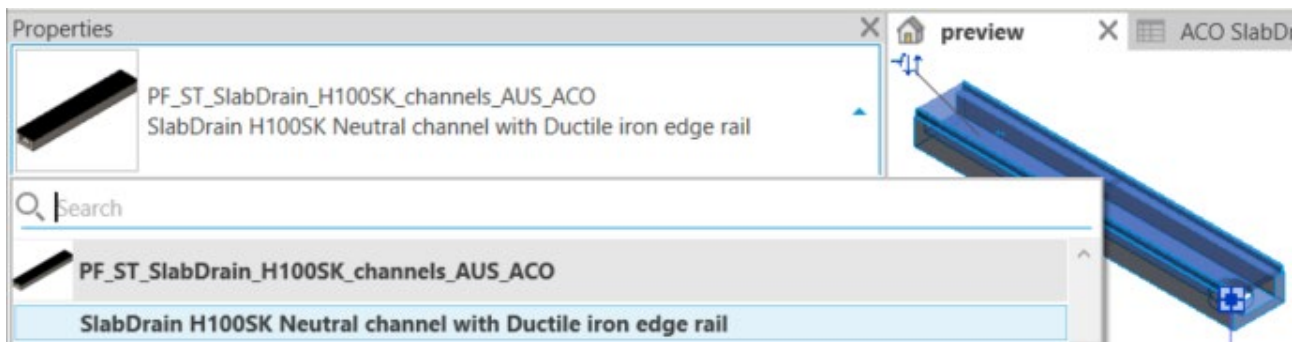


Similarly, For H300K

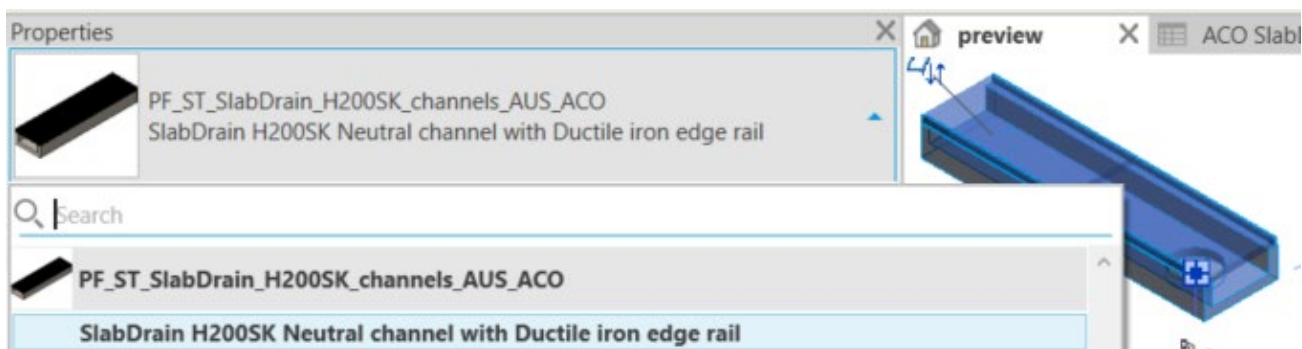
1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H300K & H300KS_channels_AUS_ACO.rfa** family consists of SlabDrain_H300K_Channels including **GS and SS iron edge rail** user must select the appropriate family type from the “Properties” drop down menu.

**Similarly, For H100SK Channels**

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H100SK_Channels_AUS_ACO.rfa** family consists of SlabDrain_H100SK_Channel including **Ductile iron edge rail** user must select the appropriate family type from the “Properties” drop down menu.

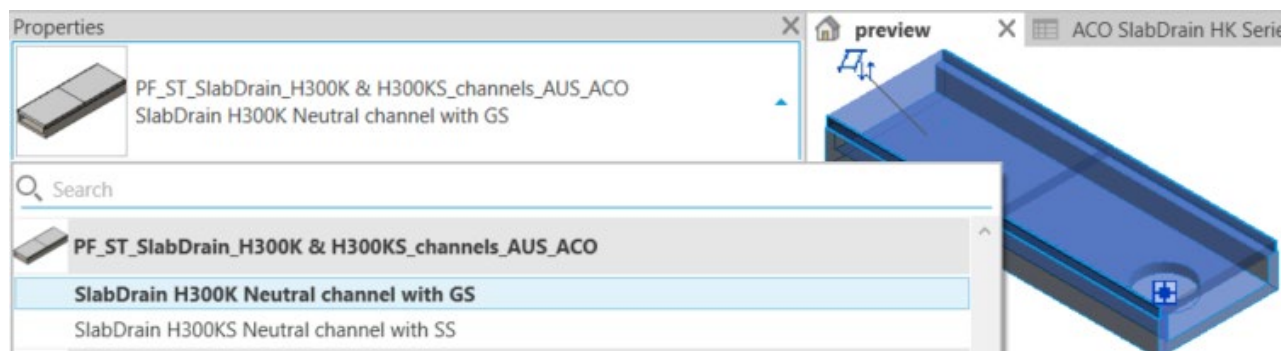
**Similarly, For H200SK Channels**

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H200SK_channels_AUS_ACO.rfa** family consists of SlabDrain_H200SK_Channels including **Ductile iron edge rail** user must select the appropriate family type from the “Properties” drop down menu.



Similarly, For H300SK

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H300SK_channels_AUS_ACO.rfa** family consists of SlabDrain_H300SK_Channels including **Ductile iron edge rail** user must select the appropriate family type from the “Properties” drop down menu.

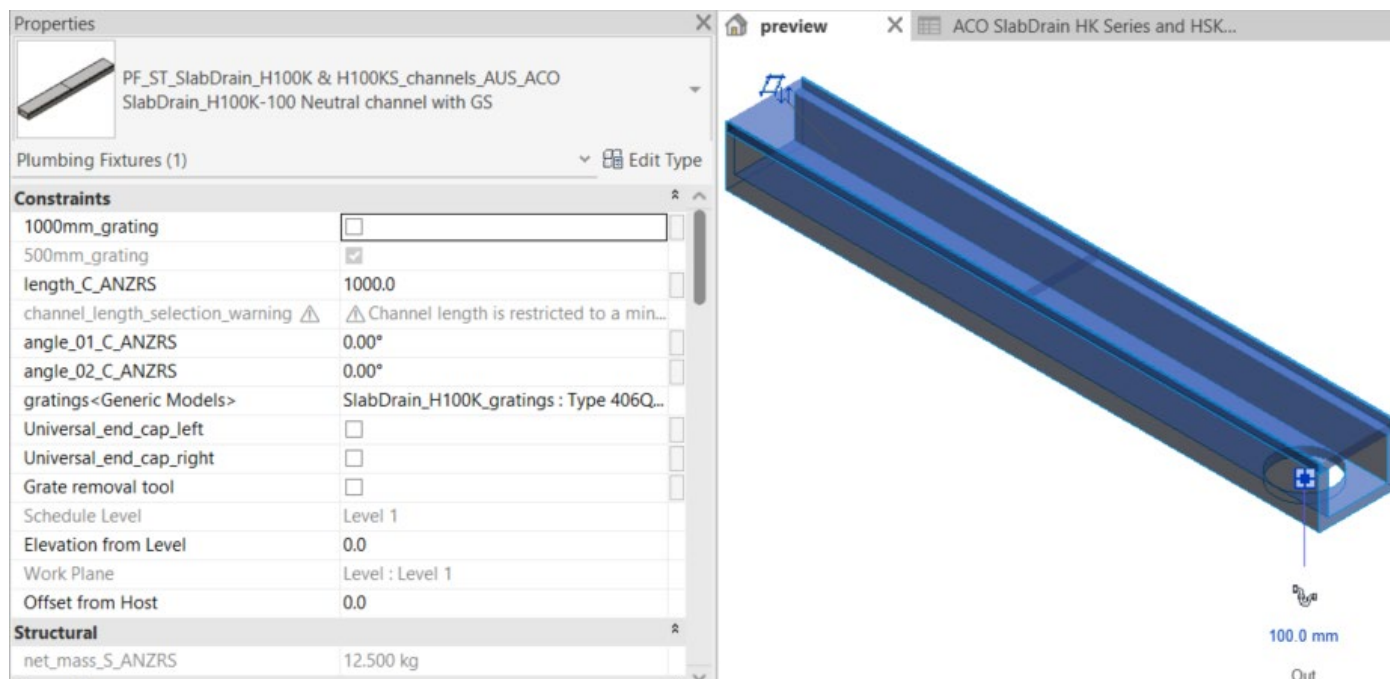


Selection of Channels:

For H100K/KS Channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H100K & H100KS_Channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **SlabDrain_H100K_Invert_Depth_60mm** to **SlabDrain_H100K_Invert_Depth_100mm**, and supports **Ductile iron edge Rail Channels**.
3. **Channel length selection warning note !:**
This warning always appears. Users can specify any channel length between the minimum of **300 mm** and the maximum of **1000 mm** by entering the desired value in the **length_C_ANZRS** parameter.

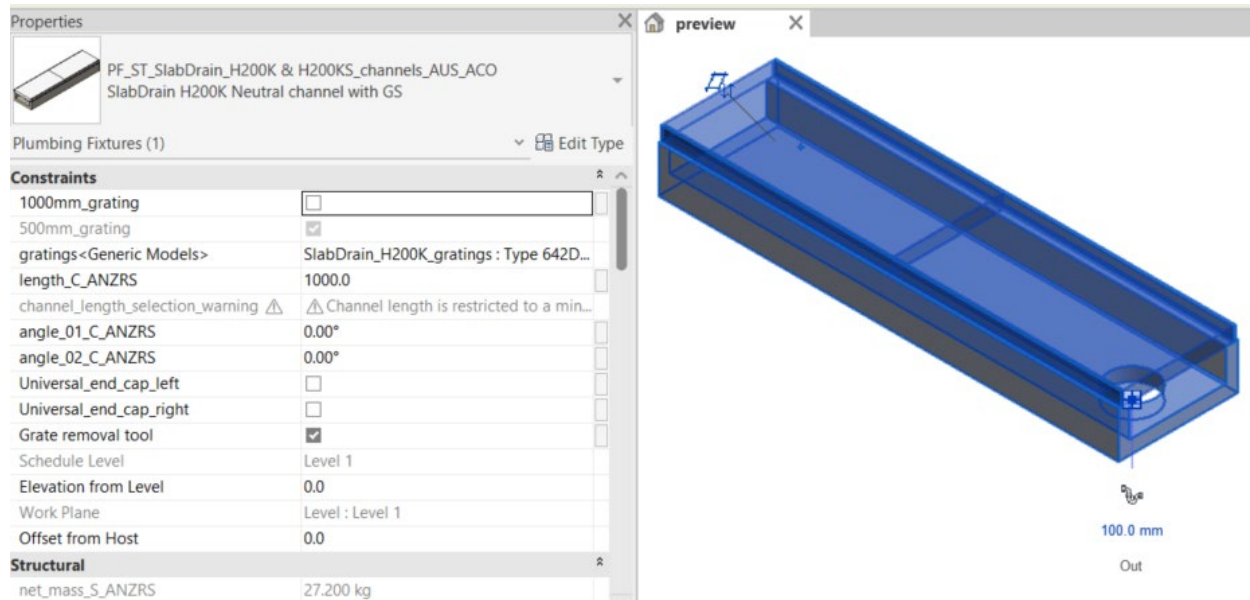
Note: If the user enters a value less than 300 mm or greater than 1000 mm, a constraints error will be displayed.



Similarly, For H200K Channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H200K_Channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **SlabDrain_H200K_Invert_Depth_200mm-249mm** up to **SlabDrain_H200K_Invert_Depth_350mm-400mm**, and supports Ductile iron **edge Rail Channels**.
3. **Channel length selection warning note !:**
This warning always appears. Users can specify any channel length between the minimum of **500 mm** and the maximum of **1000 mm** by entering the desired value in the **length_C_ANZRS** parameter.

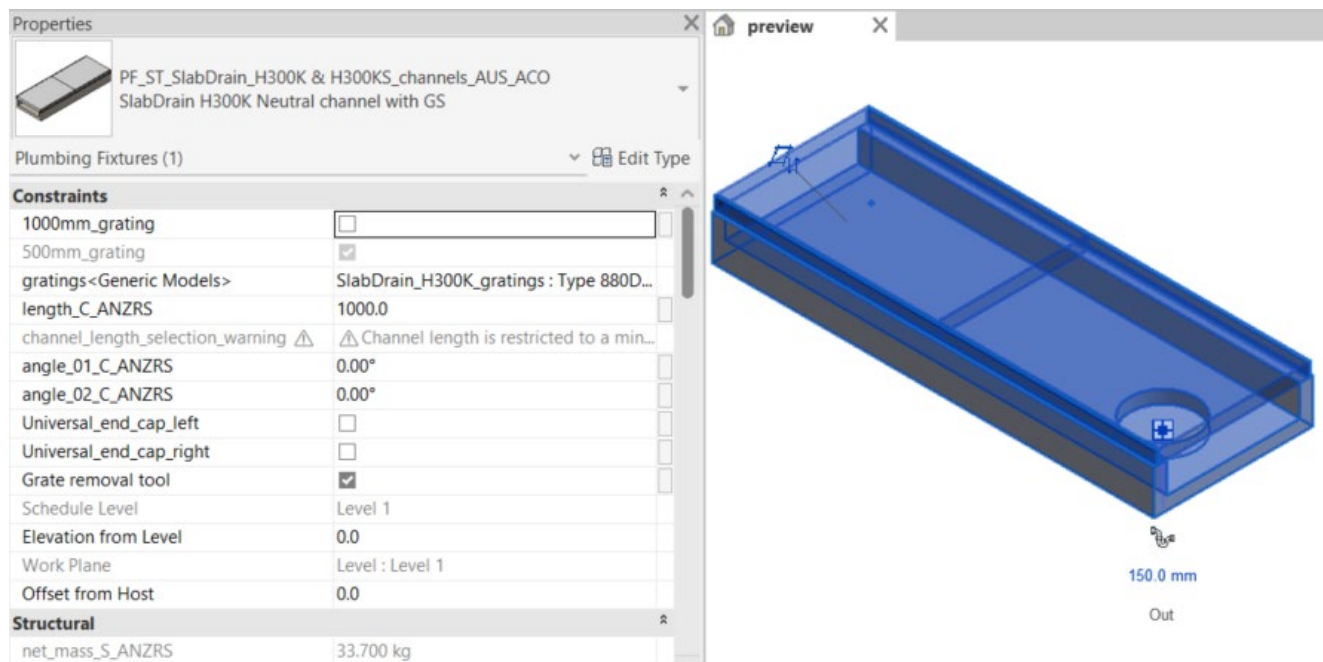
Note: If the user enters a value less than 500 mm or greater than 1000 mm, a constraints error will be displayed.



Similarly, For H300K Channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_SlabDrain_H300K_Channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **SlabDrain_H300K_Invert_Depth_300mm-349mm** up to **SlabDrain_H300K_Invert_Depth_450mm-500mm**, and supports Ductile iron **edge Rail Channels**.
3. **Channel length selection warning note !:**
This warning always appears. Users can specify any channel length between the minimum of **500 mm** and the maximum of **1000 mm** by entering the desired value in the **length_C_ANZRS** parameter.

Note: If the user enters a value less than 500 mm or greater than 1000 mm, a constraints error will be displayed.



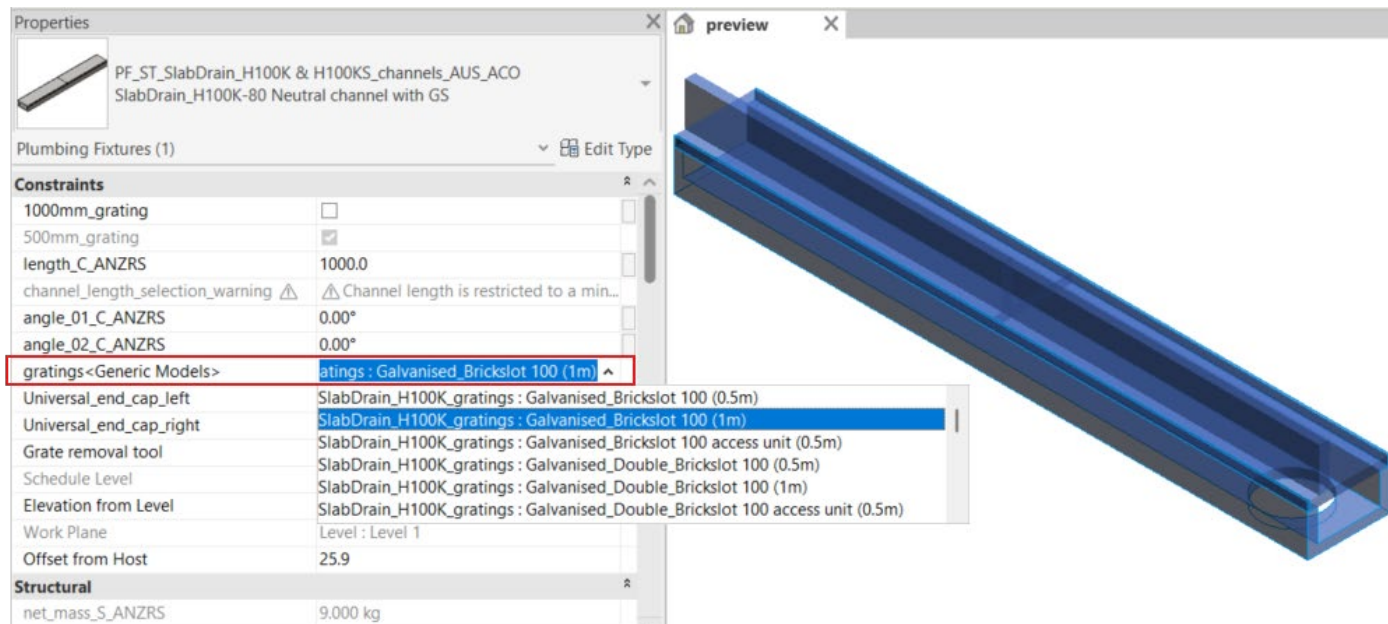
Note: The selection of channels for The SlabDrain HSK series follows same procedure as H100K - H300K series.

Selection of Gratings for Channels:

For H100K/KS Channels

Click on the model – At properties tool bar, it will display gratings<Generic models> click on the Down arrow for selecting the different gratings select the appropriate gratings for the channel.

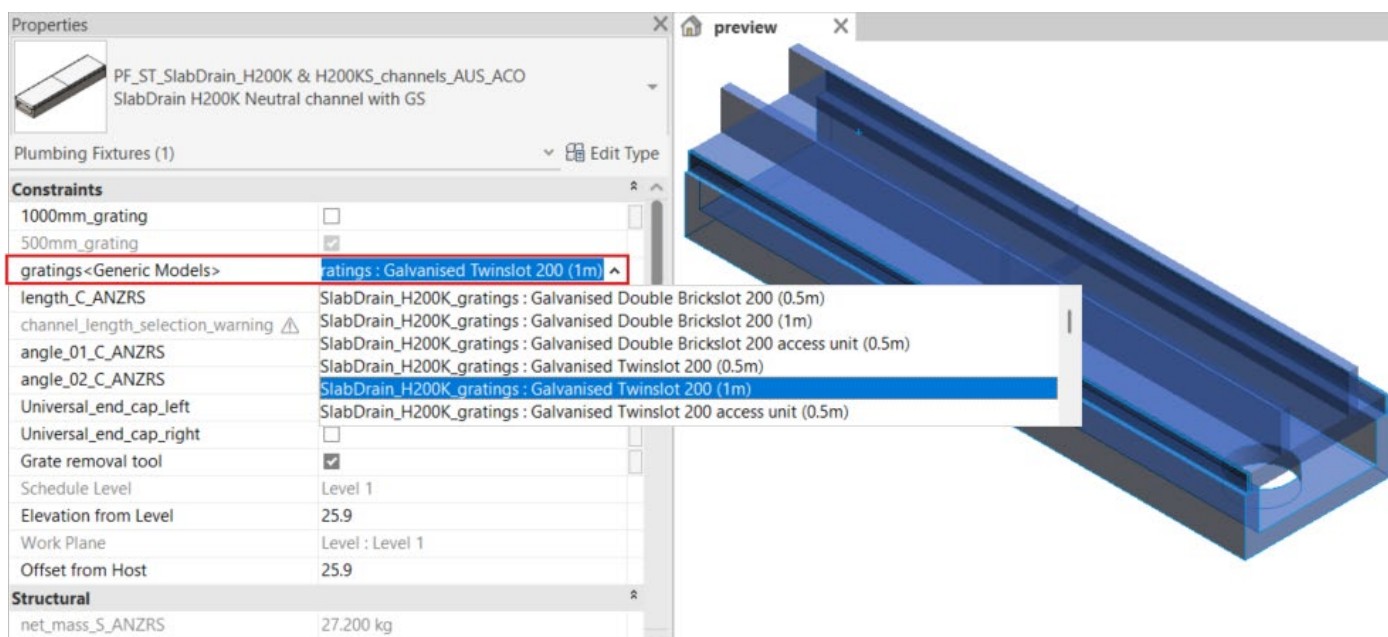
According to the requirement the user can select either 500mm_grating or 1000mm_grating.



Similarly, For H200K/KS Channels

Click on the model – At properties tool bar, it will display gratings<Generic models> click on the Down arrow for selecting different gratings select the appropriate gratings for the channel.

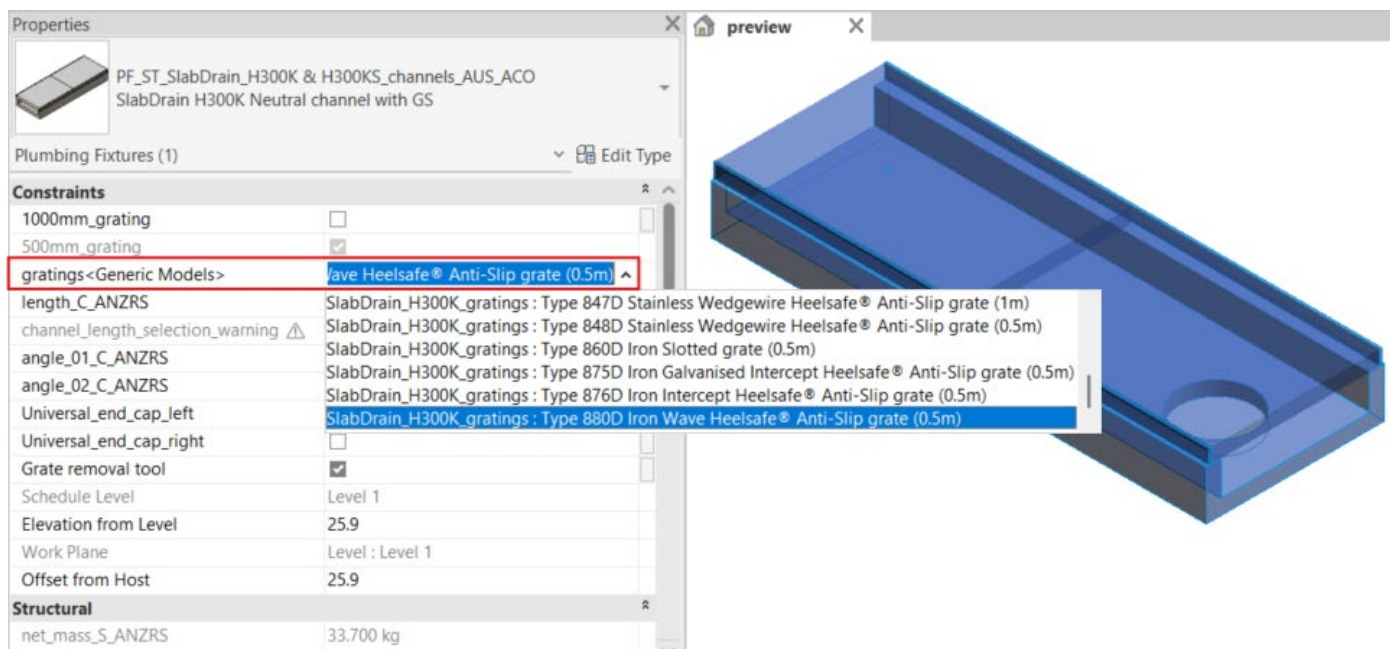
According to the requirement the user can select either 500mm_grating or 1000mm_grating.



Similarly, For H300K/KS Channels

Click on the model – At properties tool bar, it will display gratings<Generic models> click on the Down arrow for selecting different gratings select the appropriate gratings for the Channels.

According to the requirement the user can select either 500mm_grating or 1000mm_grating.

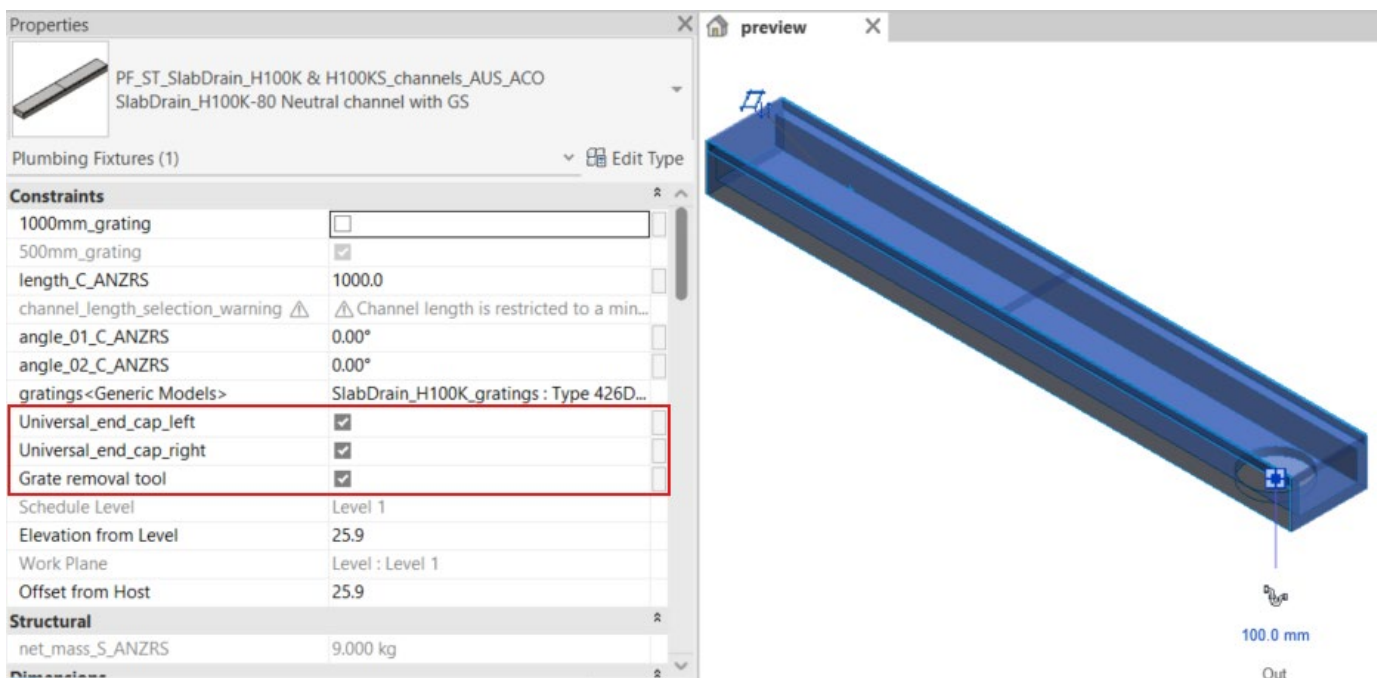


Note: The Selection of Gratings for Channels for The SlabDrain HSK series follows same procedure as H100K - H300K series.

Selection of Accessories for Channels:

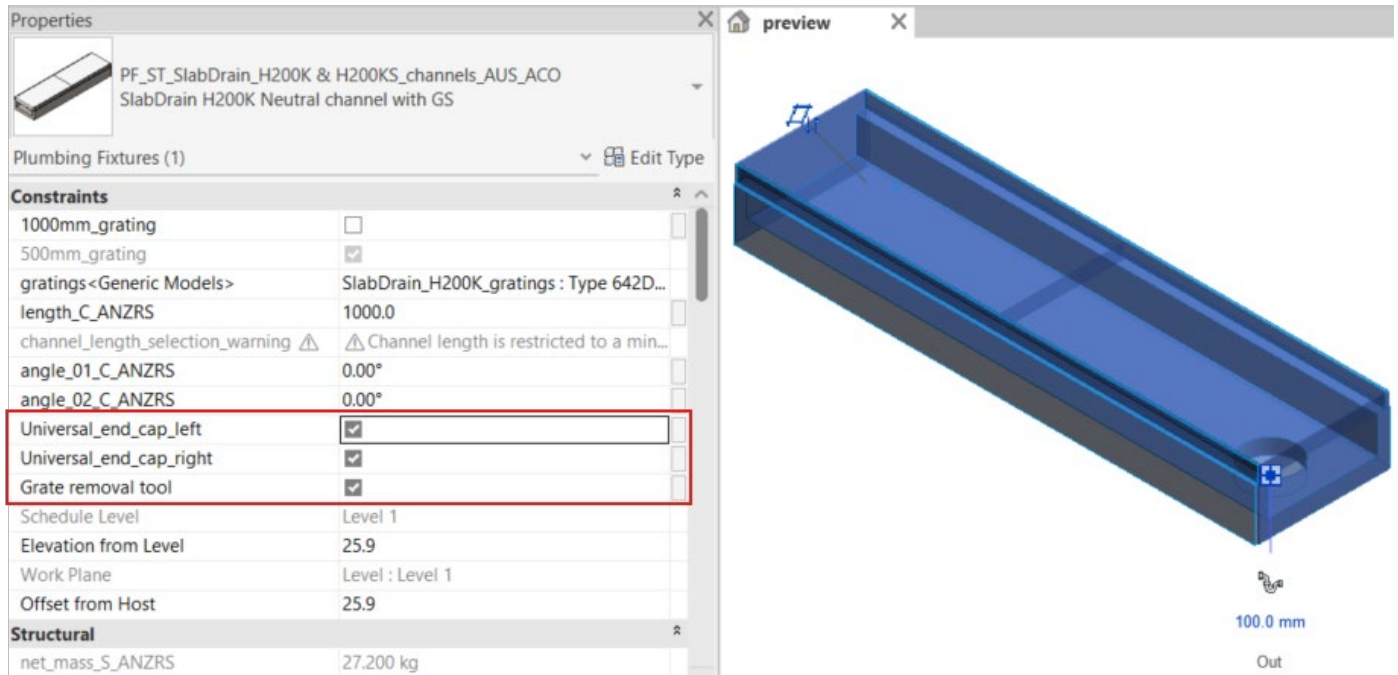
For H100K/KS Channels

Click on the model, at properties tool bar, it will display a list of accessories such as Universal endcaps, Installation device, Grate removal tool, PowerLok safety clip. If user needs Accessories just select by checking the tick box, if don't just uncheck the list as shown below.



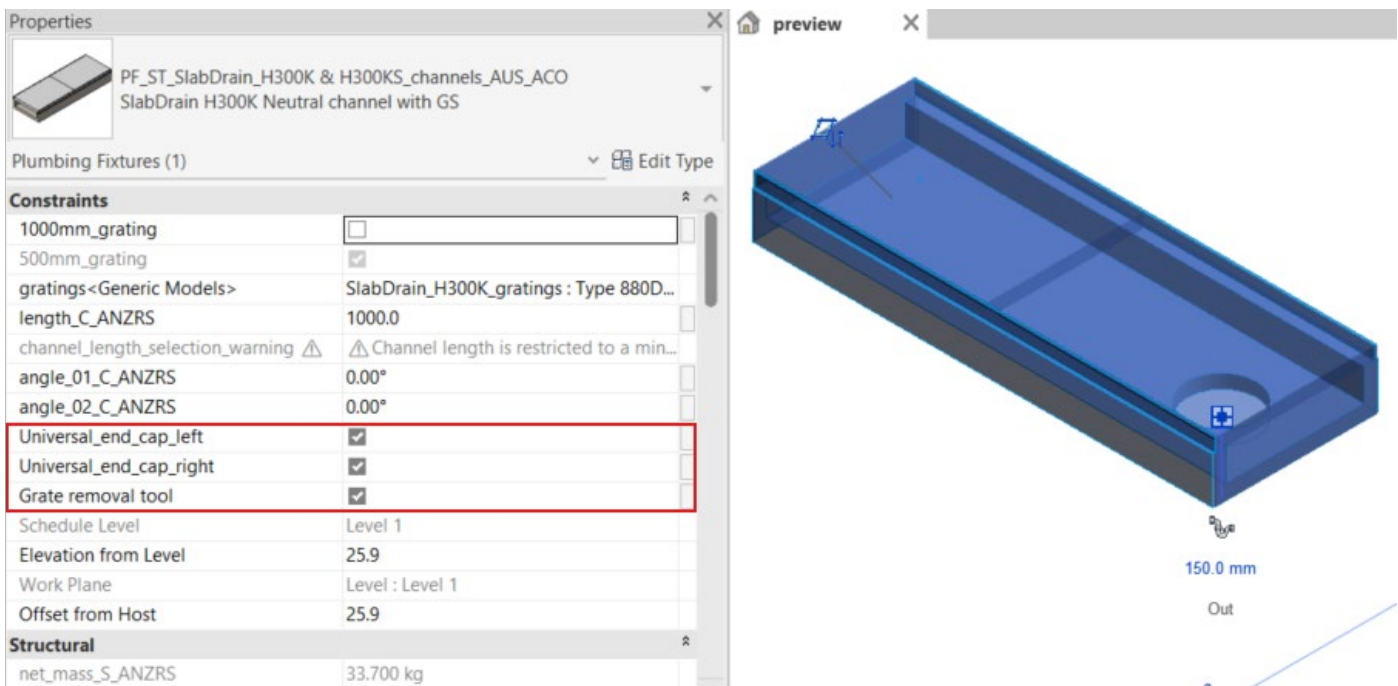
Similarly, For H200K/KS Channels

Click on the model, at properties tool bar, it will display a list of accessories such as Universal endcaps, Installation device, Grate removal tool, PowerLok safety clip. If user needs Accessories just select by checking the tick box, if don't just uncheck the list as shown below.



Similarly, For H300K/KS Channels

Click on the model, at properties tool bar, it will display a list of accessories such as Universal endcaps, Installation device, Grate removal tool, PowerLok safety clip. If user needs Accessories just select by checking the tick box, if don't just uncheck the list as shown below.



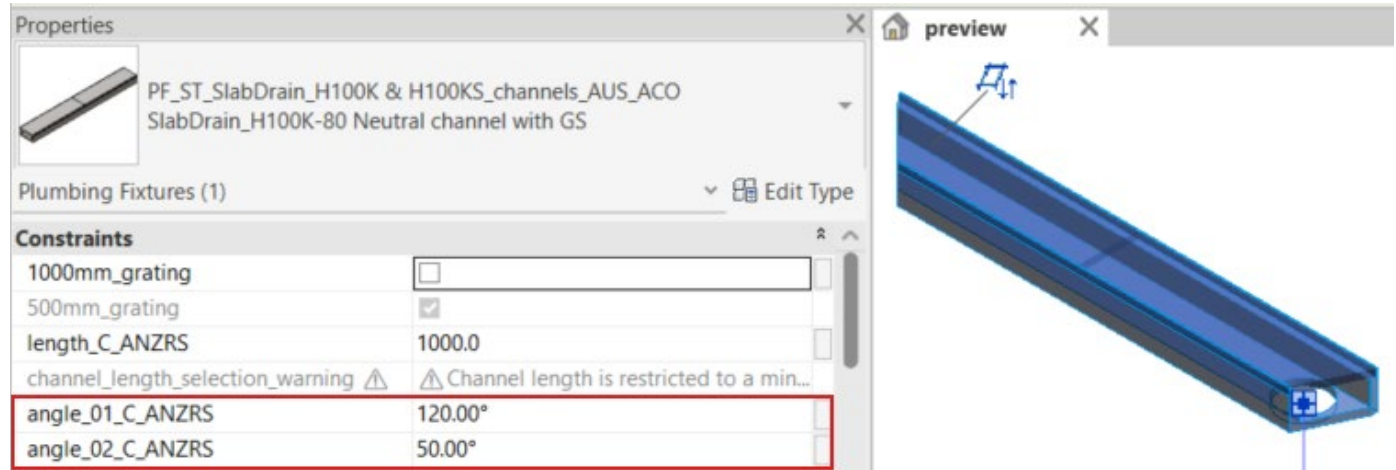
Note: The selection of Accessories for The SlabDrain H100SK series follows same procedure as H100K - H300K series.

For Angular cut:

For H100K/KS Channels

Click on the model – At properties tool bar, it will display two angles such as **angle_01_C_ANZRS** (left side) and **angle_02_C_ANZRS** (right side). We can enter the corresponding angles to make the angular cut on the Channels.

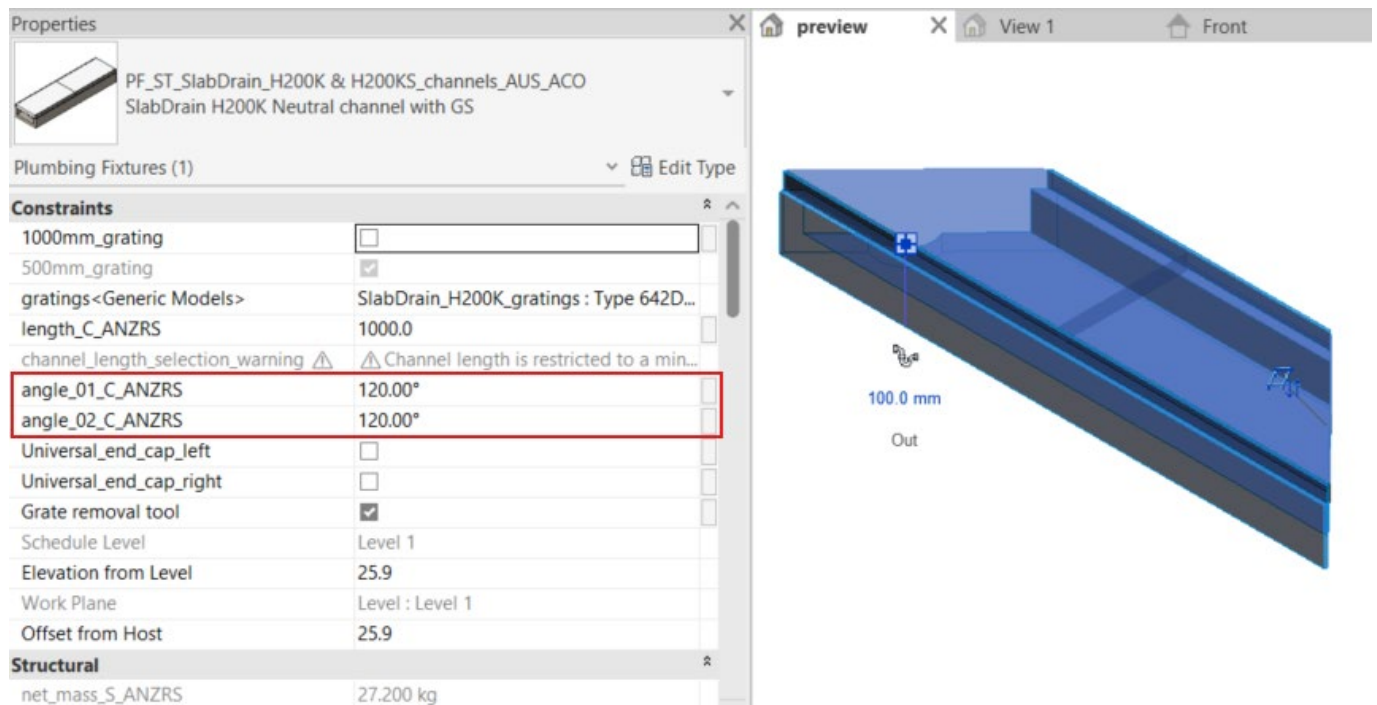
Note: While using Endcaps make sure that angular value should be as zero.



For H200K/KS Channels

Click on the model – At properties tool bar, it will display two angles such as **angle_01_C_ANZRS** (left side) and **angle_02_C_ANZRS** (right side). We can enter the corresponding angles to make the angular cut on the Channels.

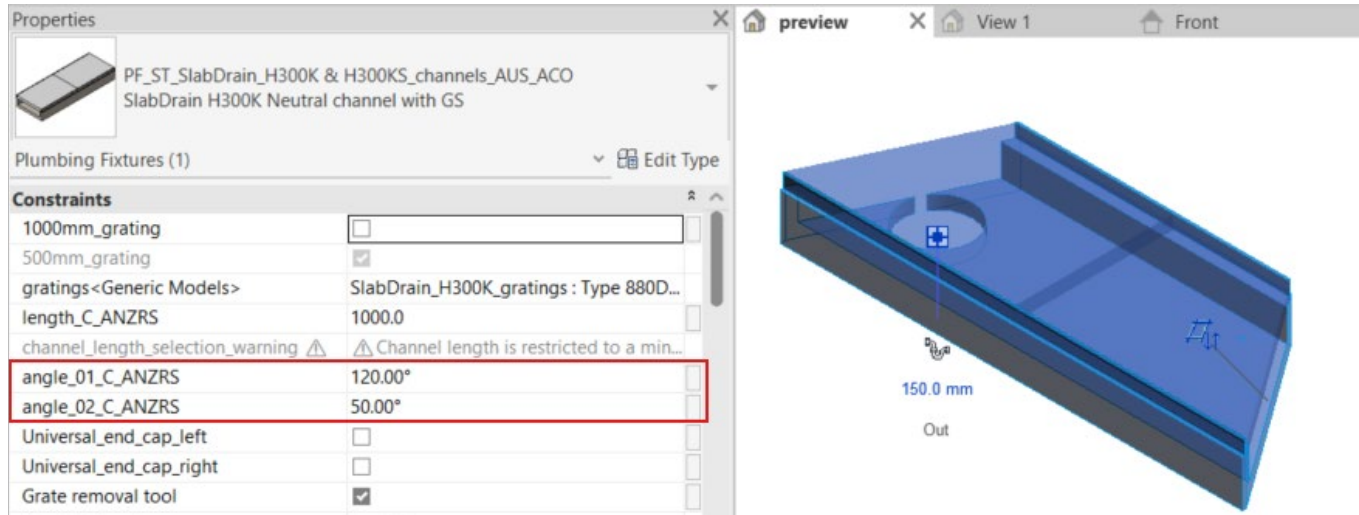
Note: While using Endcaps make sure that angular value should be as zero.



For H300K/KS Channels

Click on the model – At properties tool bar, it will display two angles such as **angle_01_C_ANZRS** (left side) and **angle_02_C_ANZRS** (right side). We can enter the corresponding angles to make the angular cut on the Channels.

Note: While using Endcaps make sure that angular value should be as zero.



Material Library:

The ACO SlabDrain_HK and HSK series files contain materials that are already pre-loaded into the components. When loading the ACO SlabDrain_HK and HSK series files into your project, the pre-loaded materials will automatically transfer through.

Schedules and quantities:

The information such as Article numbers, Descriptions, net mass, URL, Manufacturer, Product range, etc. within the parameters is stored as “shared Parameters” so can easily be appeared when creating a schedule and quantities in the project environment.

ACO SlabDrain HK Series and HSK Series								
A	B	C	D	E	F	G	H	I
Count	code_supplier_article_C_ANZRS	item_description	net_mass_S_ANZRS	URL	Manufacturer	productrange	OmniClass Title	info_technical_C_ANZRS
1	141785	H100K-80 Neutral channel with galvanised steel edge	9.00 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	141788	H100K-100 Neutral channel with stainless steel edge	12.50 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	141803	H100K-60 Neutral channel with galvanised steel edge	7.60 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	141804	H100K-40 Neutral channel with stainless steel edge	7.60 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H100K & H100KS_channels_AUS_ACO: 4	93412	H100SK Neutral channel - (1m)	20.40 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H100SK_channels_AUS_ACO: 4	141789	H200K Neutral channel - (1m)	27.20 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
2	141790	H200KS Neutral channel - (1m)	27.20 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H200K & H200KS_channels_AUS_ACO: 4	63456	H200SK Neutral channel - (1m)	27.60 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H200SK_channels_AUS_ACO: 4	141791	H300K Neutral channel - (1m)	33.70 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
2	141792	H300KS Neutral channel - (1m)	33.70 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H300K & H300KS_channels_AUS_ACO: 3	63466	H300SK Neutral channel - (1m)	37.30 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
PF_ST_SlabDrain_H300SK_channels_AUS_ACO: 3	71976	S200K Iron Slotted grate (0.5m)	14.50 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/products/powerdrain/#details
4	142685	S200K Iron Intercept Heelsafe® Anti-Slip grate (0.5m)	8.70 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/products/powerdrain/#details
ZZZ_do not use_PF_ST_SlabDrain_H200SK_gratings_ACO: 8	142686	S300K Iron Intercept Heelsafe® Anti-Slip grate (0.5m)	14.80 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H300SK_gratings_ACO: 6	01318	Grate removal tool	0.10 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_Grate removal tool_ACO: 13	141794	H100K-100/H100KS-100 End cap	0.60 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H100K_endcaps_ACO: 1	12614	Type 425D Galvanised Slotted grate (1m)	4.00 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	142401	Type 405Q Galvanised Mesh grate (1m)	4.30 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
2	142402	Type 406Q Galvanised Mesh grate (0.5m)	2.20 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	142556	Type 441D Stainless Twimire Heelsafe® Anti-Slip gr	4.40 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H100K_gratings_ACO: 5	97334	H100SK End cap	0.50 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H100SK_endcaps_ACO: 1	96082	S100K Iron Slotted grate (0.5m)	5.60 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/products/powerdrain/#details
4	141299	S100K Iron Intercept Heelsafe® Anti-Slip grate (0.5m)	6.80 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/products/powerdrain/#details
ZZZ_do not use_PF_ST_SlabDrain_H100SK_gratings_ACO: 8	141795	H200K/H200KS End cap	1.00 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H200K_endcaps_ACO: 1	142177	Type 560D Iron Slotted grate (0.5m)	12.00 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
2	142219	Type 647D Stainless Wedgewire Heelsafe® Anti-Slip	7.50 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
1	142405	Type 605Q Galvanised Mesh grate (1m)	13.80 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
2	142412	Type 608Q Galvanised Transverse grate (0.5m)	4.20 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H200K_gratings_ACO: 6	93460	H200SK End cap	0.50 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H200SK_endcaps_ACO: 1	141796	H300K/H300KS End cap	1.00 kg	https://acodrain.com.au/	ACO	SlabDrain	Rainwater Removal	https://acodrain.com.au/trench-drains/slabdrain/
ZZZ_do not use_PF_ST_SlabDrain_H300K_endcaps_ACO: 1								