

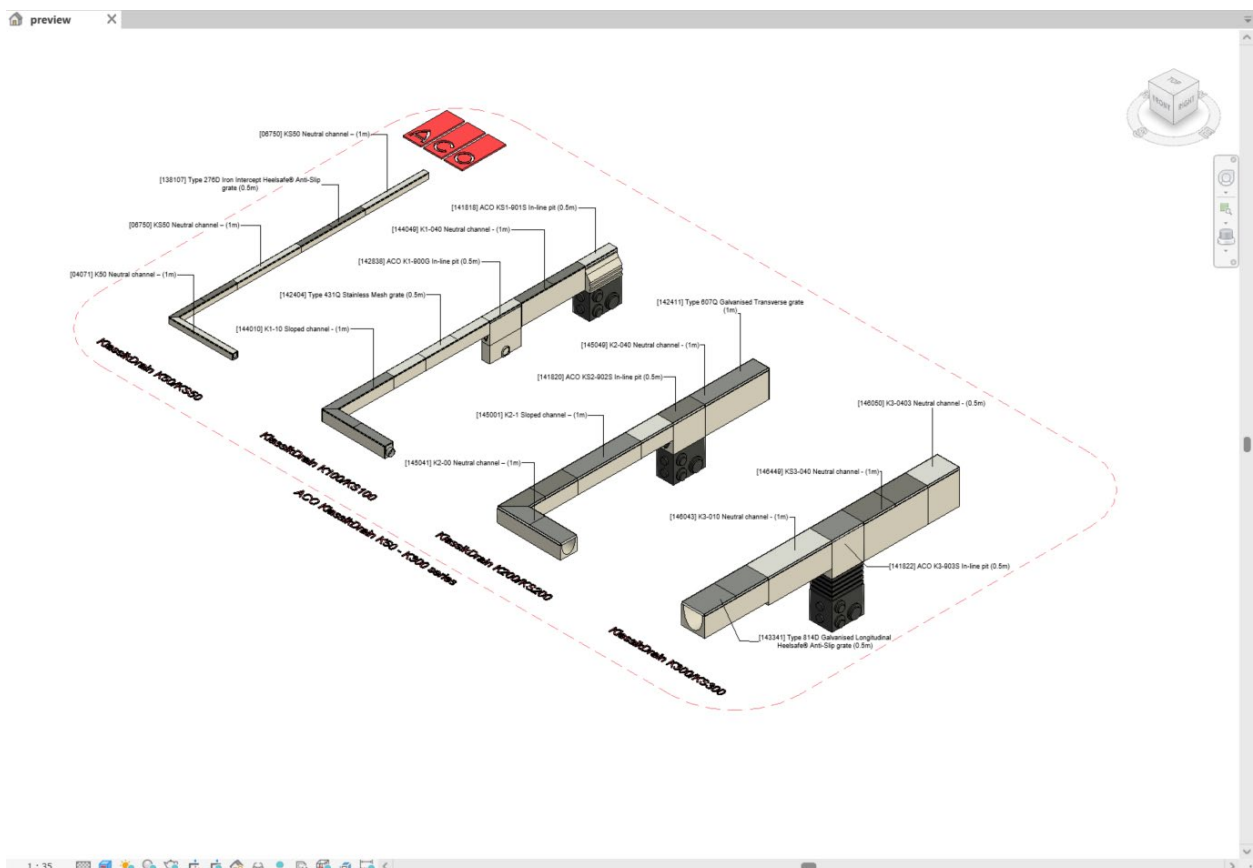
ACO_KlassikDrain_K50 - K300_series_AUS

User Guide for Autodesk Revit files

ACO KlassikDrain K50 – K300 Packages

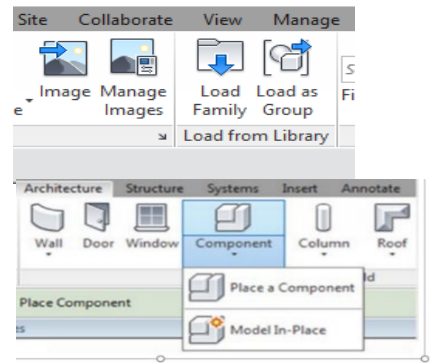
This project includes the following Revit families along with accessories.

1. PF_ST_KlassikDrain_K100 & KS100_channels_AUS_ACO.rfa
2. PF_ST_KlassikDrain_K200 & KS200_channels_AUS_ACO.rfa
3. PF_ST_KlassikDrain_K300 & KS300_channels_AUS_ACO.rfa
4. PF_ST_MiniKlassik_K50 & KS50_channels_AUS_ACO.rfa
5. KlassikDrain_K1-900G_In-line_pit
6. KlassikDrain_K1-901G_In-line_pit
7. KlassikDrain_K2-902G_In-line_pit
8. KlassikDrain_K3-903 In-line pit (0.5m)



Loading ACO KlassikDrain K50 – K300 into the project:

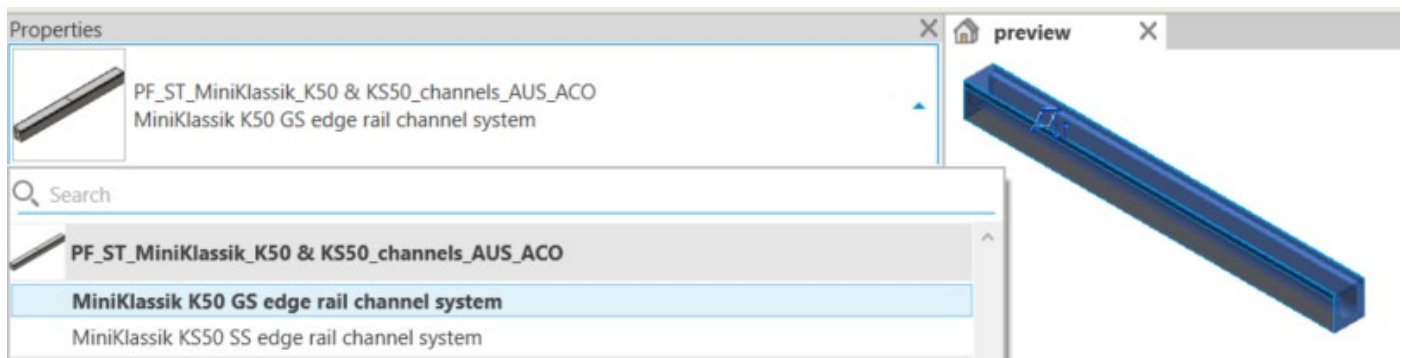
1. Download the **ACO_KlassikDrain_K50 - K300_series_project** file and save it to a suitable location.
2. Select any one of the family **K50 – K300** from **ACO_KlassikDrain_K50 - K300_series** load to your project.
3. Navigate to the “Insert” icon on the Revit ribbon and click “Load Family”
4. The 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

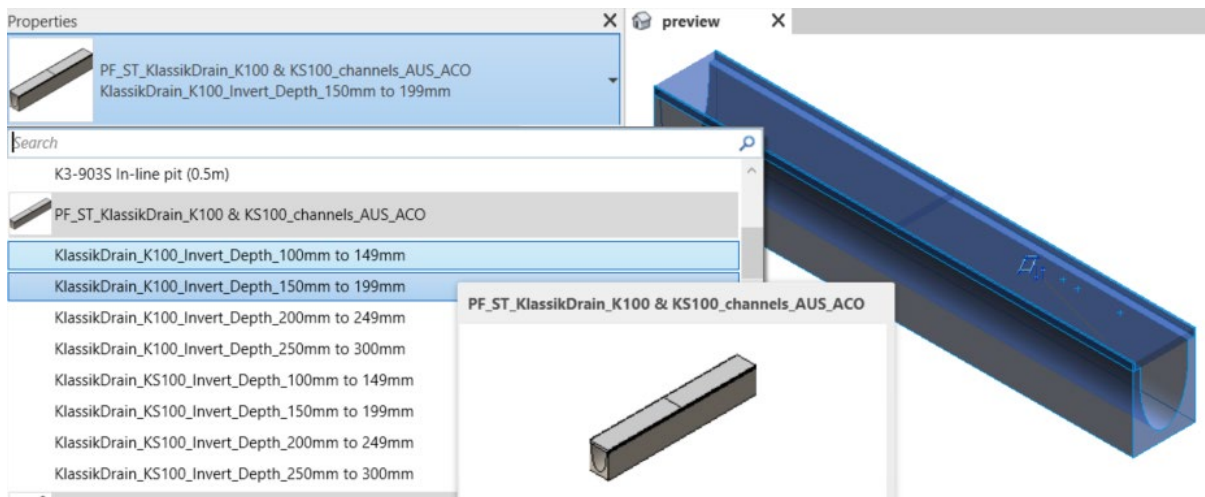
For K50/KS50 channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K50 & KS50_channels_AUS_ACO.rfa** family consists only one Invert Depths user can select from the dropdown and Channels including (K50 Galvanized) and (KS50 Stainless-steel) edge rail user must select the appropriate family type from the “Properties” drop down menu.



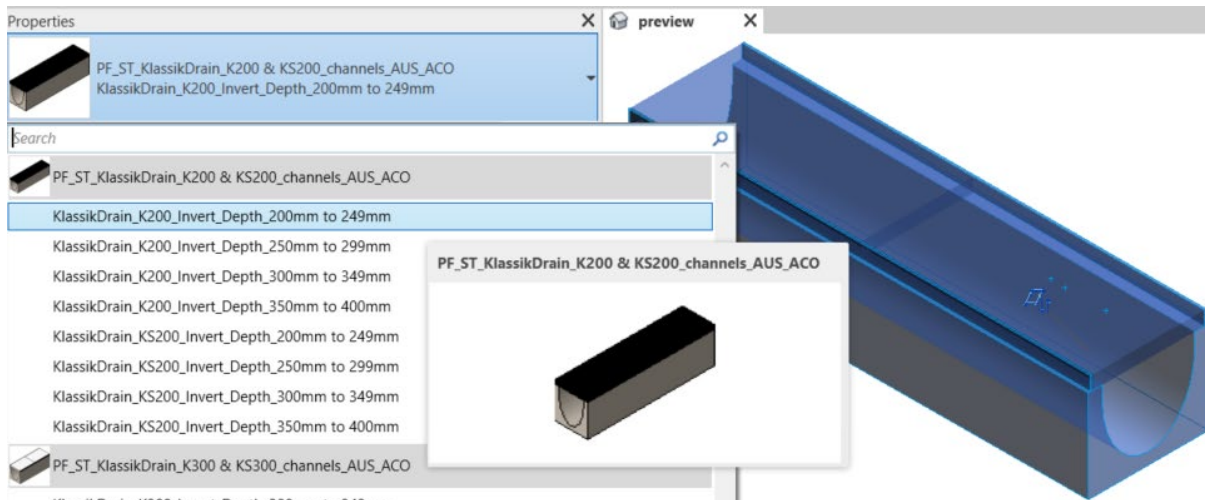
For K100/KS100 channels

3. Click on the model – At properties tool bar, it will display family name and types.
4. **PF_ST_KlassikDrain_K100 & KS100_channels_AUS_ACO.rfa** family consists of different **Invert Depths** from KlassikDrain K100 Invert Depth 100mm to 149mm up to KlassikDrain KS100 Invert Depth 250mm to 300mm Channels including (K100 Galvanized) and (KS100 Stainless-steel) edge rail user must select the appropriate family type from the “Properties” drop down menu.



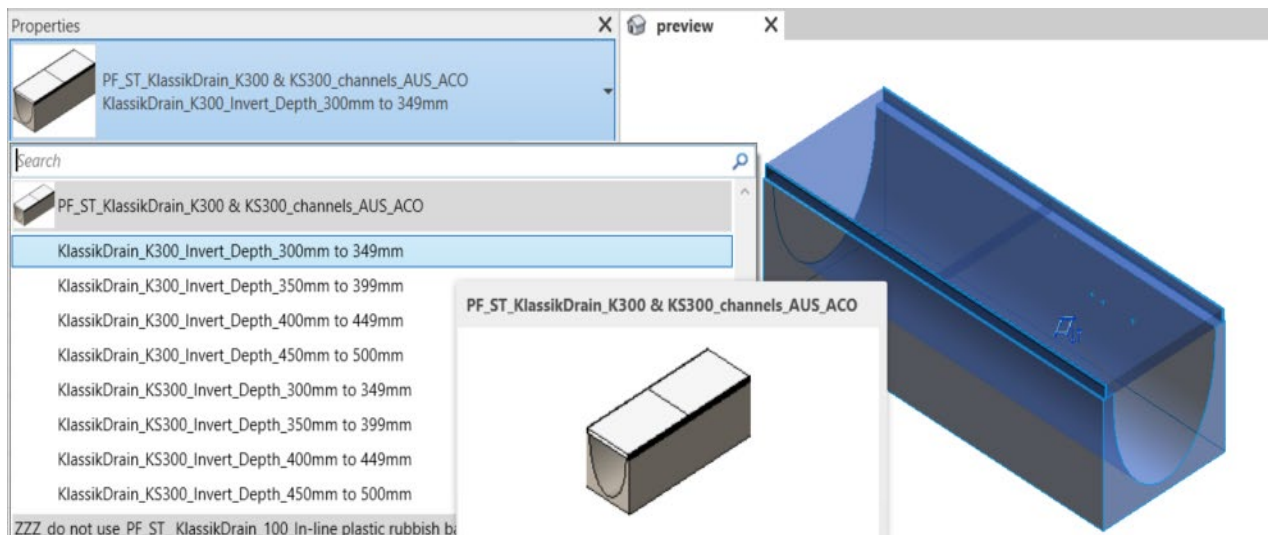
Similarly, For K200/KS200

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K200 & KS200_channels_AUS_ACO.rfa** family consists of different **Invert Depths** from KlassikDrain_K200 Invert Depth 200mm to 249mm up to KlassikDrain_KS200 Invert Depth 350mm to 400mm Channels including (K200 Galvanized) and (KS200 Stainless-steel) edge rail user must select the appropriate family type from the “Properties” drop down menu.



Similarly, For K300/KS300

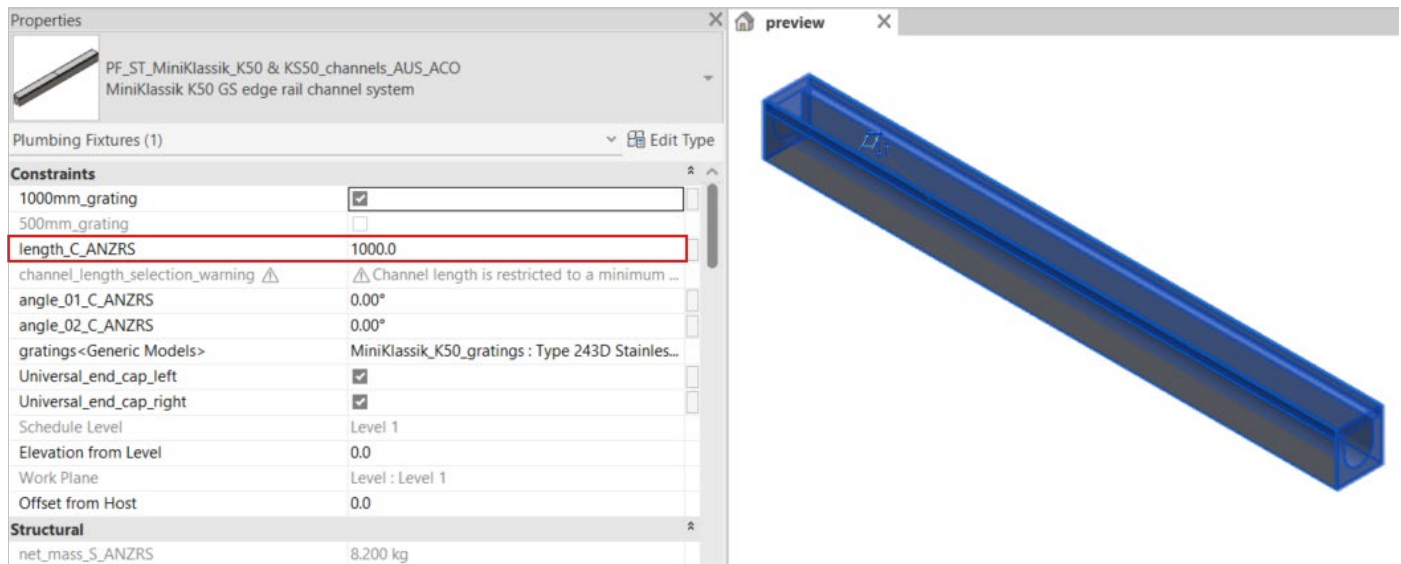
1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K300 & KS300_channels_AUS_ACO.rfa** family consists of different **Invert Depths** from KlassikDrain_K300 Invert Depth 300mm to 349mm up to KlassikDrain_KS300 Invert Depth 450mm to 500mm Channels including (K300 Galvanized) and (KS300 Stainless-steel) edge rail user must select the appropriate family type from the “Properties” drop down menu.



Selection of Channels:

For K50/KS50 channels

1. Click on the model – At properties tool bar, it will display family name and types.
PF_ST_MiniKlassik_K50 & KS50_channels_AUS_ACO.rfa The family includes one invert depths and supports both **K50 Galvanized** and **KS50 Stainless-Steel Edge Rail** channels.



Similarly, For K100/KS100 channels

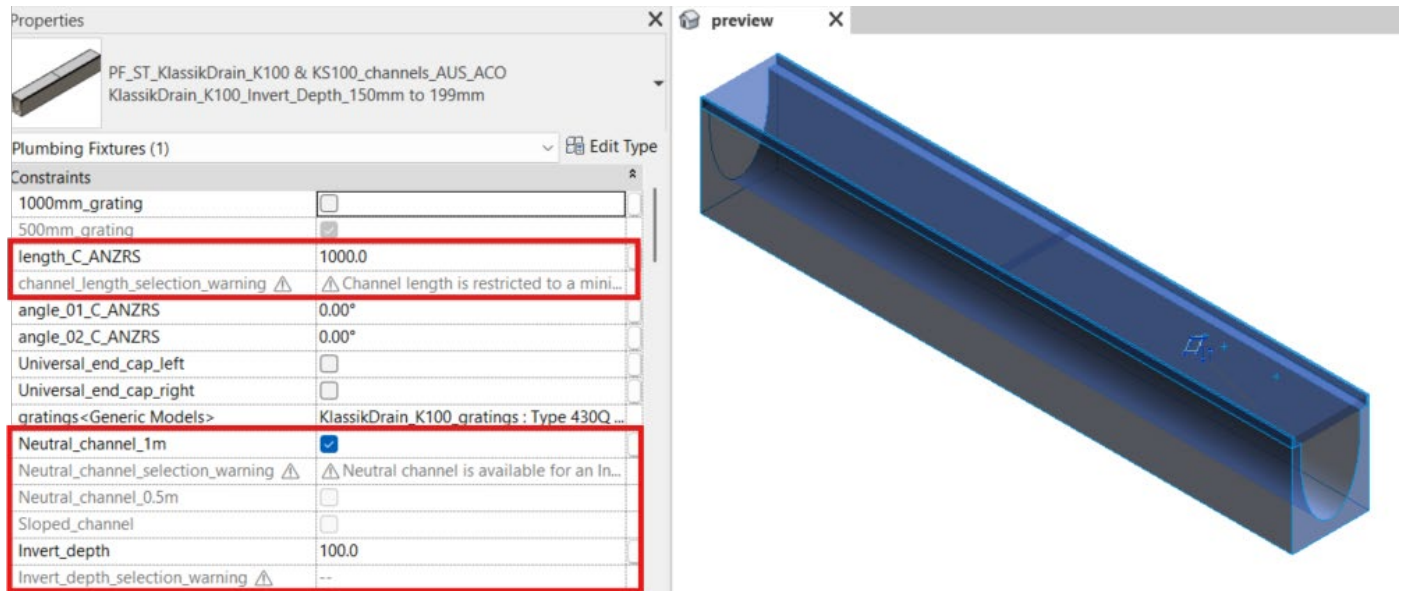
1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K100 & KS100_channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **KlassikDrain_K100_Invert_Depth_100mm-149mm** up to **KlassikDrain_KS100_Invert_Depth_250mm-300mm**, and supports both **K100 Galvanized** and **KS100 Stainless-Steel Edge Rail** channels.
The user must select the appropriate family type from the **Properties** drop-down menu. Based on this selection, two channel options are available: **Neutral** and **Sloped**.
3. To specify a **Neutral channel_1m length**, enable the **Neutral channel_1m** checkbox.

To specify a **Neutral channel_0.5 m length**, enable the **Neutral channel_1m** checkbox and then enter **500 mm** or less than **500 mm** in the **length_C_ANZRS** parameter.

To specify a **Sloped channel_1m length**, leave the **Neutral channel_1m** checkbox unchecked.

4. After choosing the channel type, the user must then enter the required invert depth value in the **Invert Depth** parameter, corresponding to the invert depth selected in the family type.
5. **Neutral channel selection warning note !:**
This warning appears when a neutral channel is selected. It indicates the available neutral channel depths, and the user must enter these values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
6. **Sloped channel selection warning note !:**
This warning appears when a sloped channel is selected. It indicates the available sloped channel depths, and the user must enter the values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
7. **Channel length selection warning note !:**
This warning always appears. Users can specify any channel length between the minimum of **280 mm** and the maximum of **1000 mm** by entering the desired value in the **length_C_ANZRS** parameter.

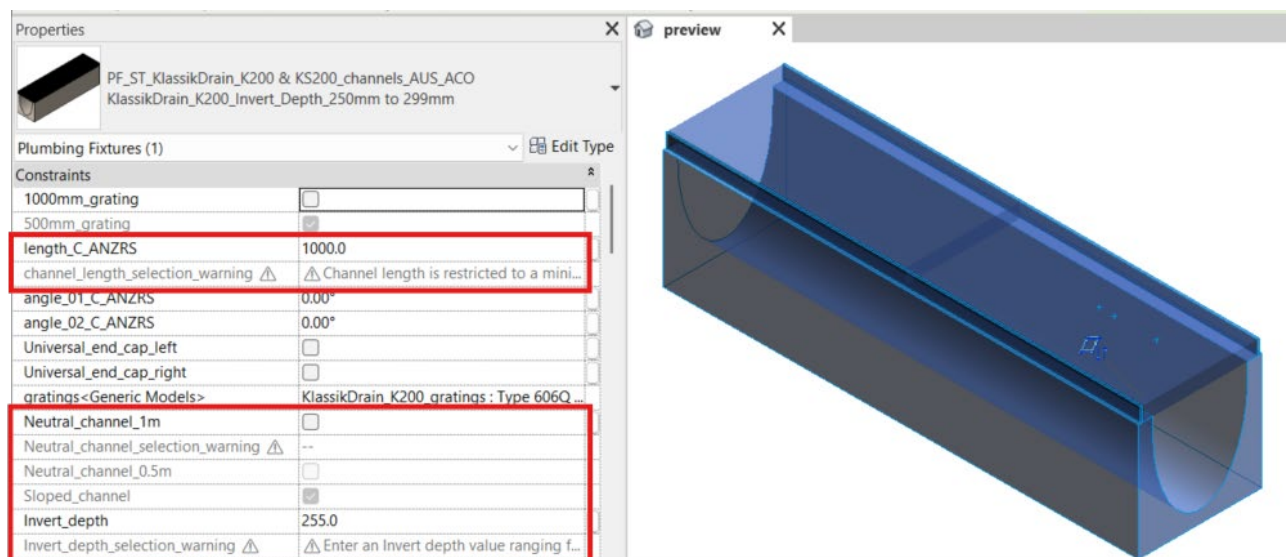
Note: If the user enters a value less than 280 mm or greater than 1000 mm, a constraints error will be displayed.



Similarly, For K200/KS200 channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K200 & KS200_channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **KlassikDrain_K200_Invert_Depth_200mm-249mm** up to **KlassikDrain_KS200_Invert_Depth_350mm-400mm**, and supports both **K200 Galvanized** and **KS200 Stainless-Steel Edge Rail** channels.
The user must select the appropriate family type from the **Properties** drop-down menu. Based on this selection, two channel options are available: **Neutral** and **Sloped**.
3. To specify a **Neutral channel_1m length**, enable the **Neutral channel_1m** checkbox.
To specify a **Neutral channel_0.5 m length**, enable the **Neutral channel_1m** checkbox and then enter **500 mm** or less than **500 mm** in the **length_C_ANZRS** parameter.
To specify a **Sloped channel_1m length**, leave the **Neutral channel_1m** checkbox unchecked.
4. After choosing the channel type, the user must then enter the required invert depth value in the **Invert Depth** parameter, corresponding to the invert depth selected in the family type.
5. **Neutral channel selection warning note !:**
This warning appears when a neutral channel is selected. It indicates the available neutral channel depths, and the user must enter these values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
6. **Sloped channel selection warning note !:**
This warning appears when a sloped channel is selected. It indicates the available sloped channel depths, and the user must enter the values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
7. **Channel length selection warning note !:**
This warning always appears. Users can specify any channel length between the minimum of **498 mm** and the maximum of **1000 mm** by entering the desired value in the **length_C_ANZRS** parameter.

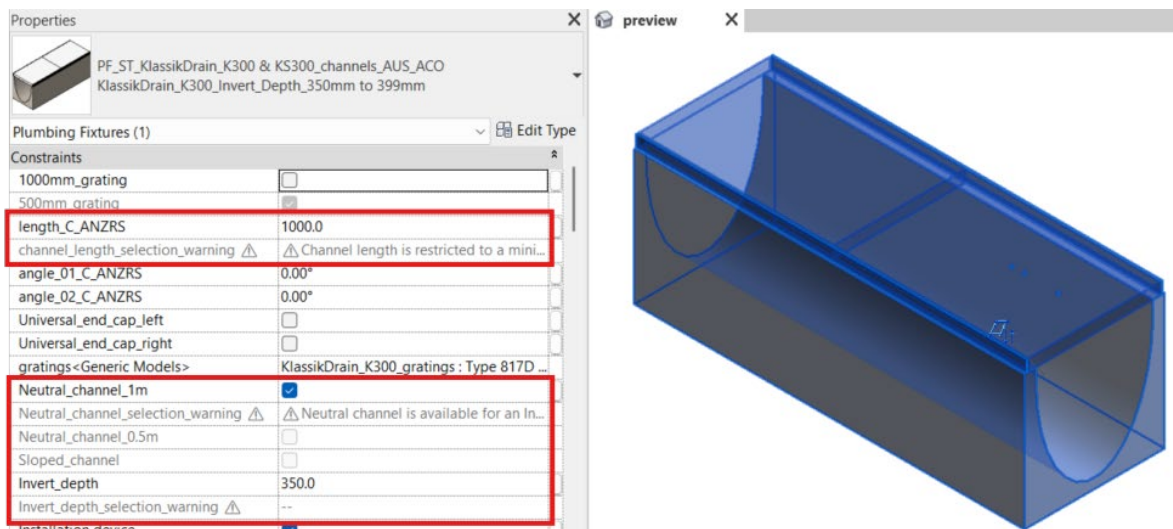
Note: If the user enters a value less than 498 mm or greater than 1000 mm, a constraints error will be displayed.



Similarly, For K300/KS300 channels

1. Click on the model – At properties tool bar, it will display family name and types.
2. **PF_ST_KlassikDrain_K300 & KS300_channels_AUS_ACO.rfa** The family includes various invert depths, ranging from **KlassikDrain_K300_Invert_Depth_300mm-349mm** up to **KlassikDrain_KS300_Invert_Depth_450mm-500mm**, and supports both **K300 Galvanized** and **KS300 Stainless-Steel Edge Rail** channels.
The user must select the appropriate family type from the **Properties** drop-down menu. Based on this selection, two channel options are available: **Neutral** and **Sloped**.
3. To specify a **Neutral channel_1m length**, enable the **Neutral channel_1m** checkbox.
To specify a **Neutral channel_0.5 m length**, enable the **Neutral channel_1m** checkbox and then enter **500 mm** or less than **500 mm** in the **length_C_ANZRS** parameter.
To specify a **Sloped channel_1m length**, leave the **Neutral channel_1m** checkbox unchecked.
4. After choosing the channel type, the user must then enter the required invert depth value in the **Invert Depth** parameter, corresponding to the invert depth selected in the family type.
5. **Neutral channel selection warning note !:**
This warning appears when a neutral channel is selected. It indicates the available neutral channel depths, and the user must enter these values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
6. **Sloped channel selection warning note !:**
This warning appears when a sloped channel is selected. It indicates the available sloped channel depths, and the user must enter the values according to the invert depth chosen in the family type from the **Properties** drop-down menu.
7. **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.

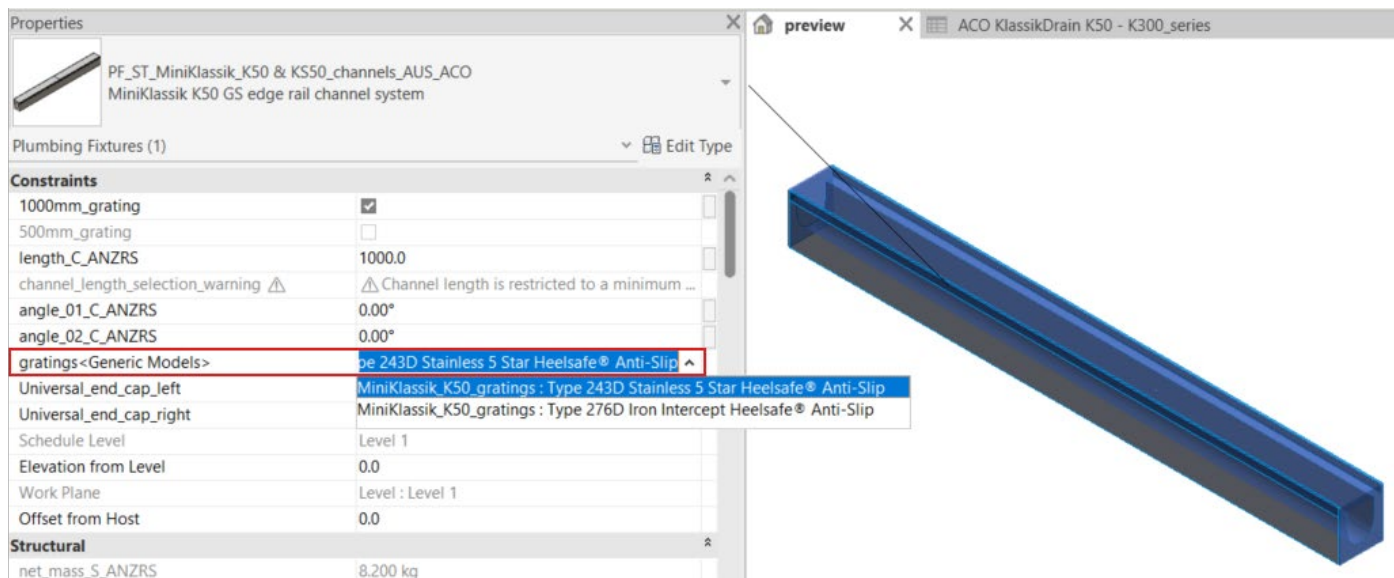


Selection of Gratings for Channels:

For K50/KS50 channels

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

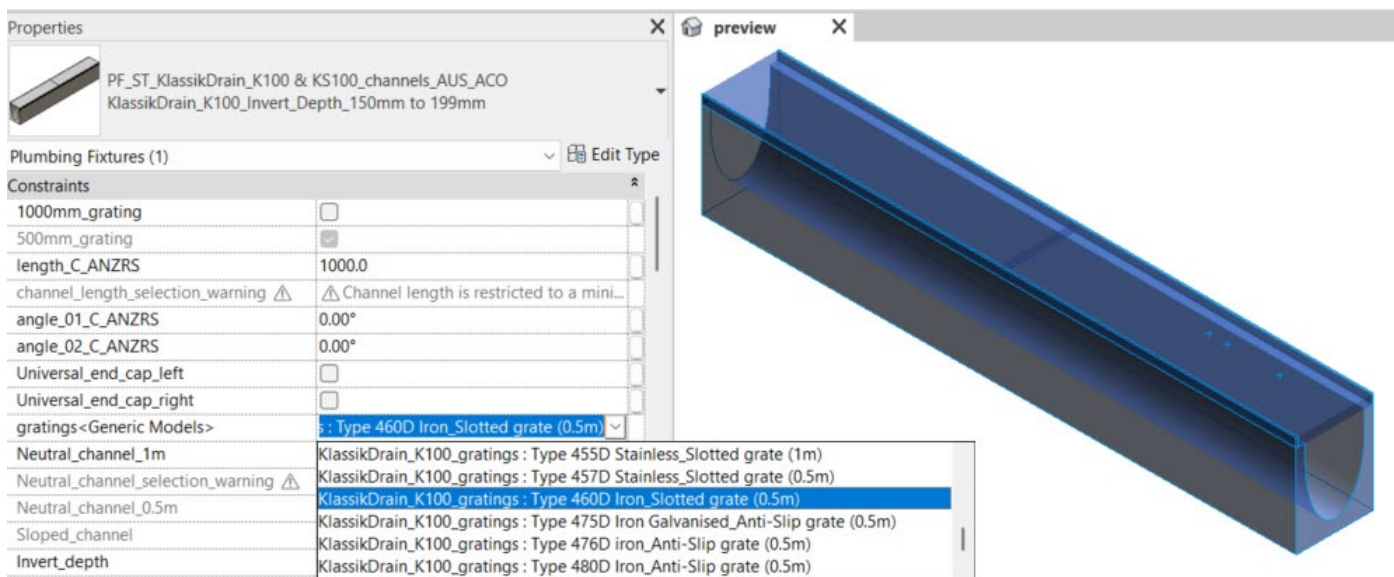
According to the requirement the user can select either 500mm_grating or 1000mm_grating



For K100/KS100 channels

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

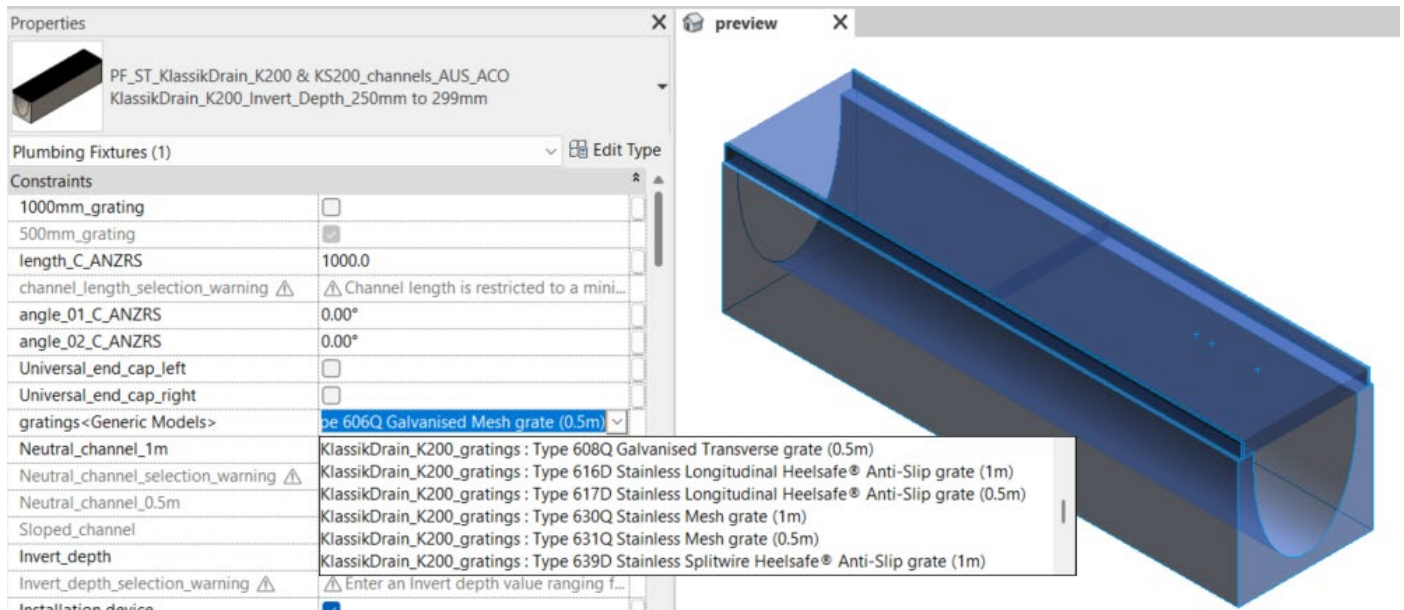
According to the requirement the user can select either 500mm_grating or 1000mm_grating.



Similarly, For K200/KS200 channels

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

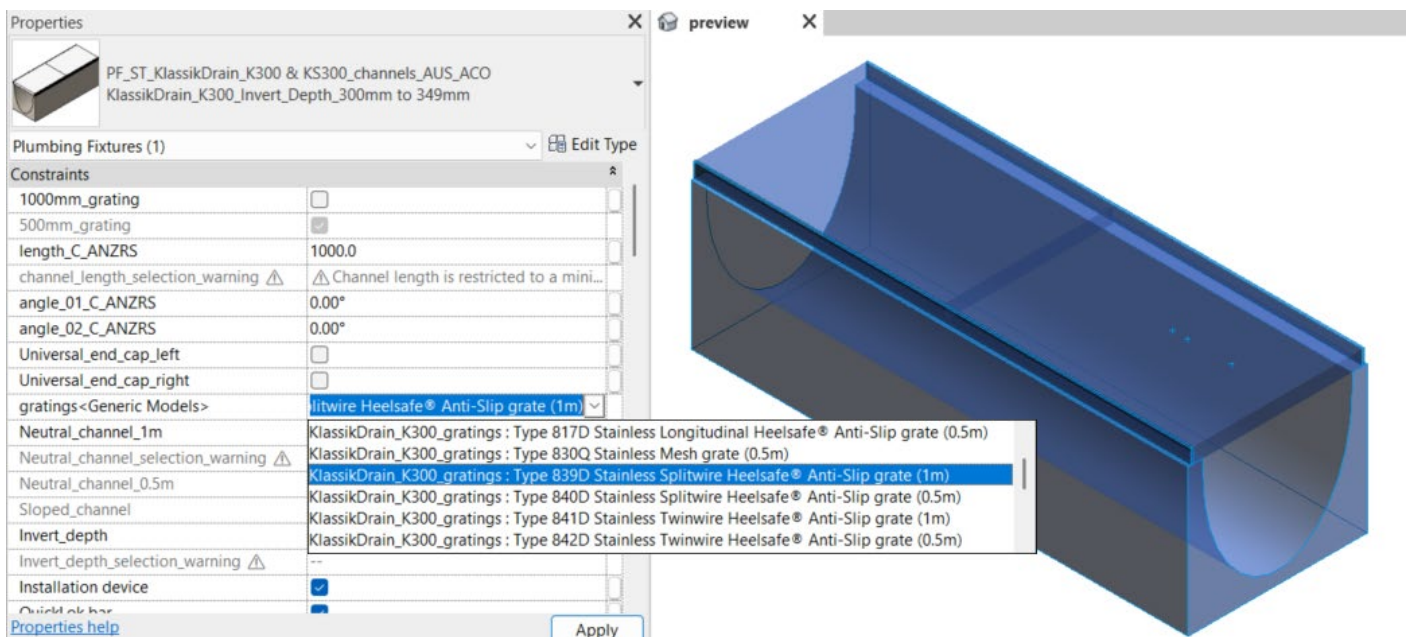
According to the requirement the user can select either 500mm_grating or 1000mm_grating.



Similarly, For K300/KS300 channels

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

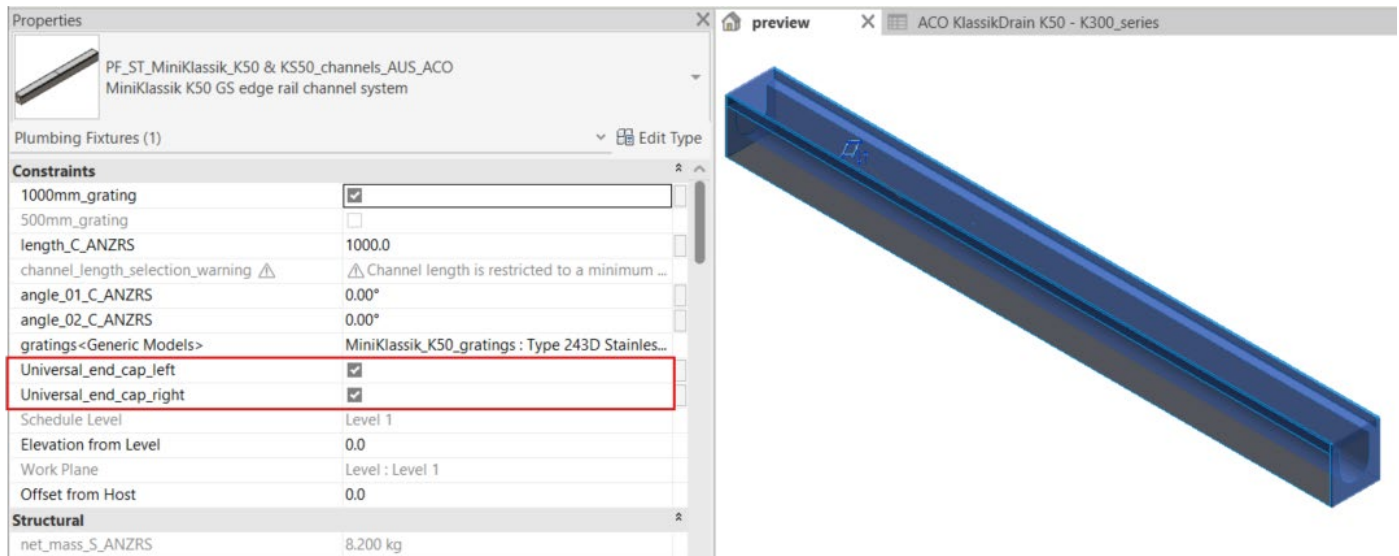
According to the requirement the user can select either 500mm_grating or 1000mm_grating.



Selection of Accessories for Channels:

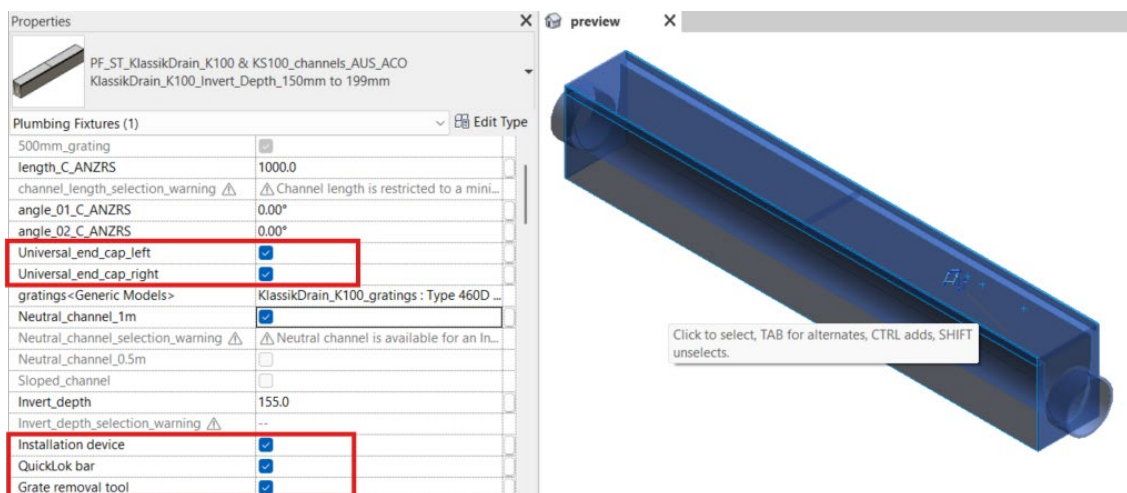
For K50/KS50 channels

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



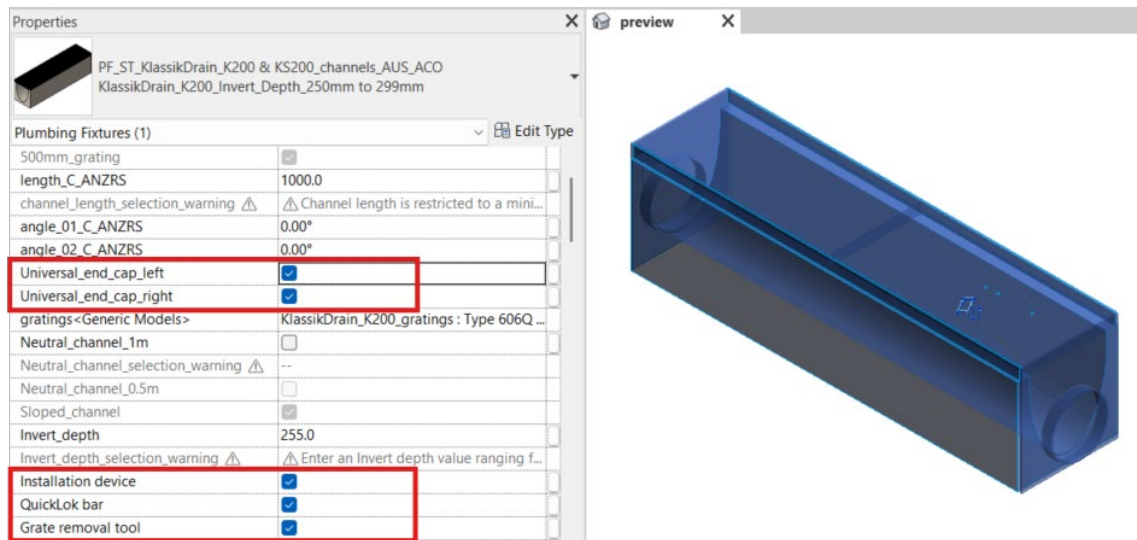
For K100/KS100 channels

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



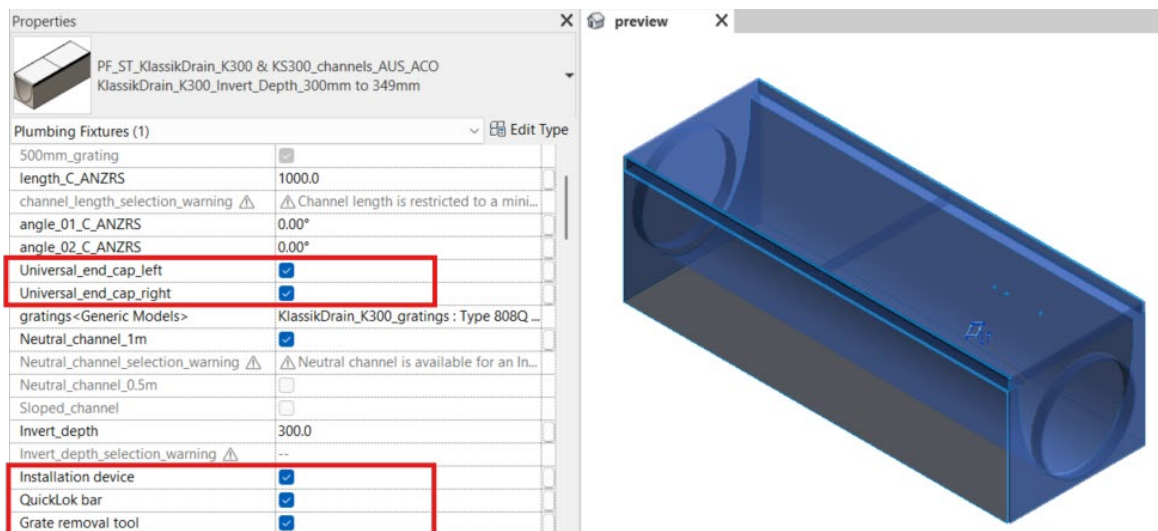
Similarly, For K200/KS200 channels

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



Similarly, For K300/KS300 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, QuickLok locking bar. If user needs Accessories just select by checking the tick box, if don't just uncheck the list as shown below.

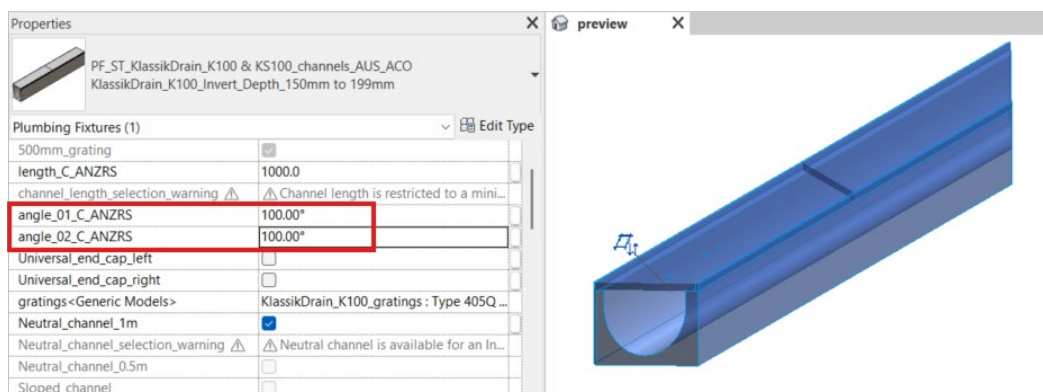


For Angular cut:

For K100/KS100 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.

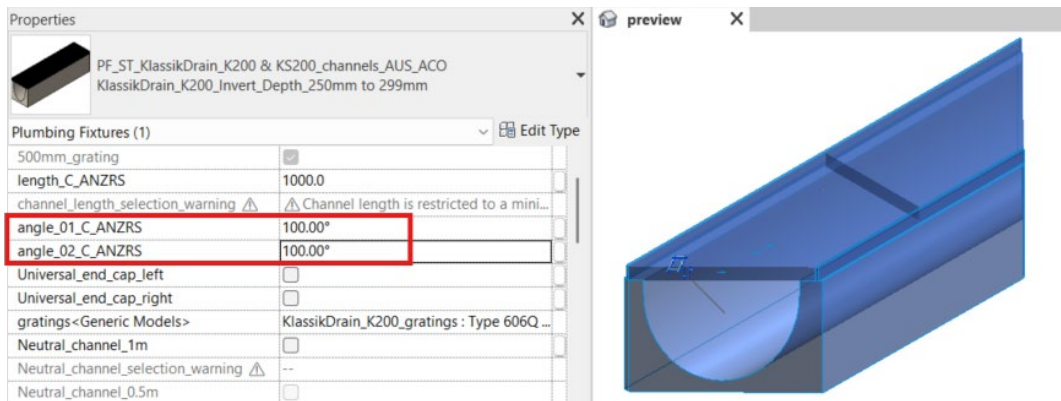
Note: While using Endcaps make sure that angular value should be as zero.



For K200/KS200 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.

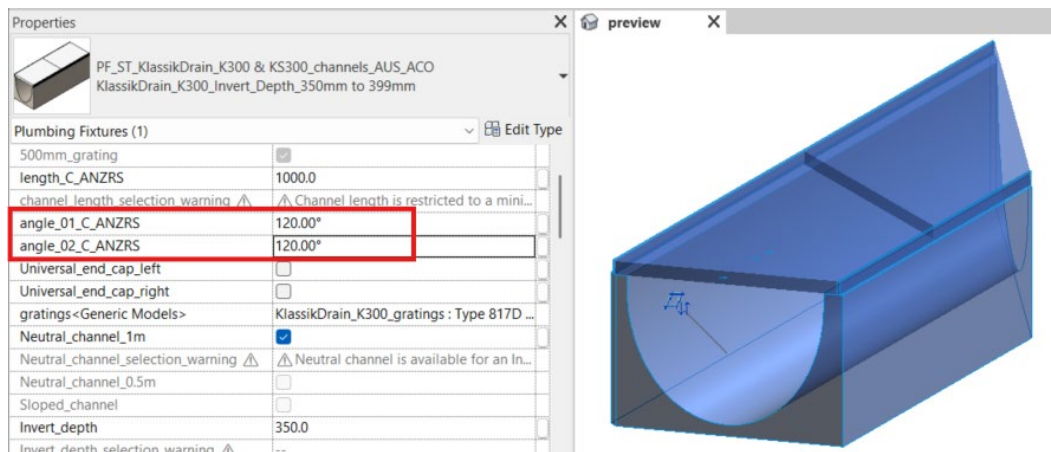
Note: While using Endcaps make sure that angular value should be as zero.



For K300/KS300 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.

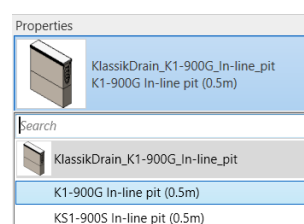
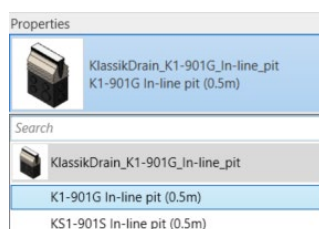
Note: While using Endcaps make sure that angular value should be as zero.



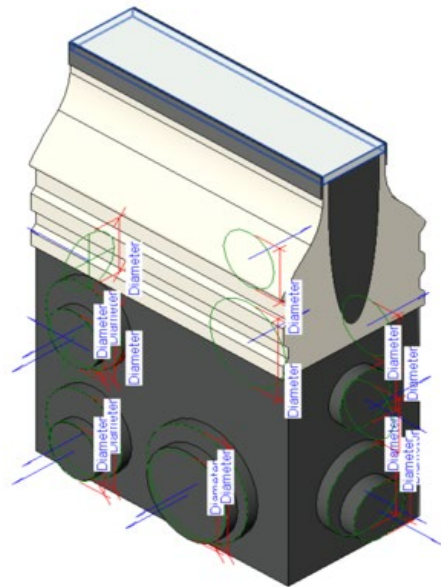
Selection of In-line pit:

KlassikDrain K100 in-line pit

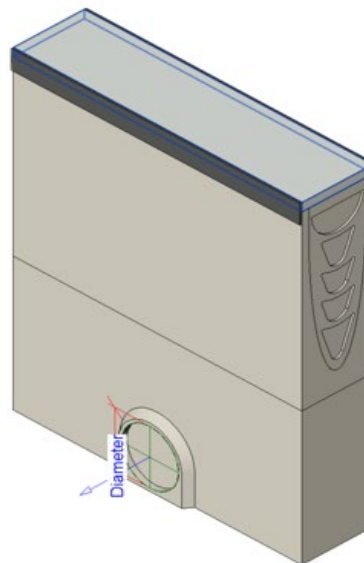
1. Click on the model – At properties tool bar, it will display family name and types.
2. **K1-901 In-line pit (0.5m). rfa** and **K1-900 In-line pit (0.5m). rfa** family consists of different edge rail Galvanized, and Stainless-steel edge rail user must select the appropriate family type from the “Properties” drop down menu.



K1-901G/KS1-901S

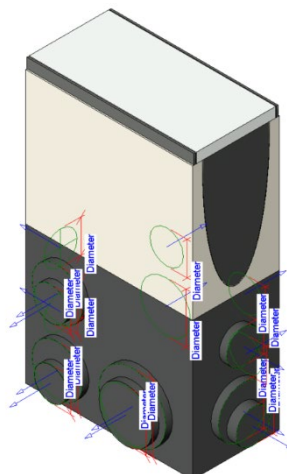
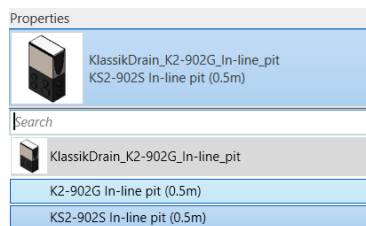


K1-900G/KS1-900S



KlassikDrain K200 in-line pit

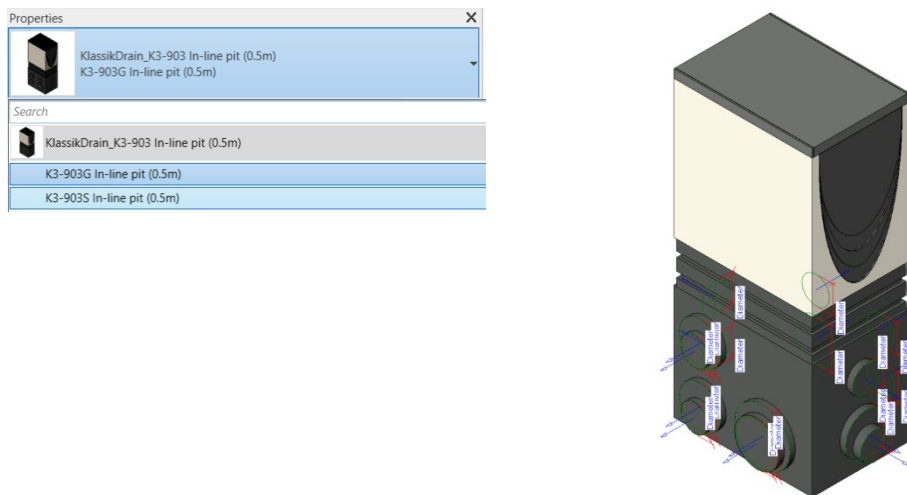
1. Click on the model – At properties tool bar, it will display family name and types.
2. **K2-902 In-line pit (0.5m). rfa** family consists of different edge rail Galvanized, and Stainless-steel edge rail user must select the appropriate family type from the “Properties” drop down menu



KlassikDrain K3-903 In-line pit (0.5m)

1. Click on the model – At properties tool bar, it will display family name and types.

2. **K3-903 In-line pit (0.5m).rfa** family consists of different edge rail Galvanized, and Stainless-steel edge rail user must select the appropriate family type from the “Properties” drop down menu

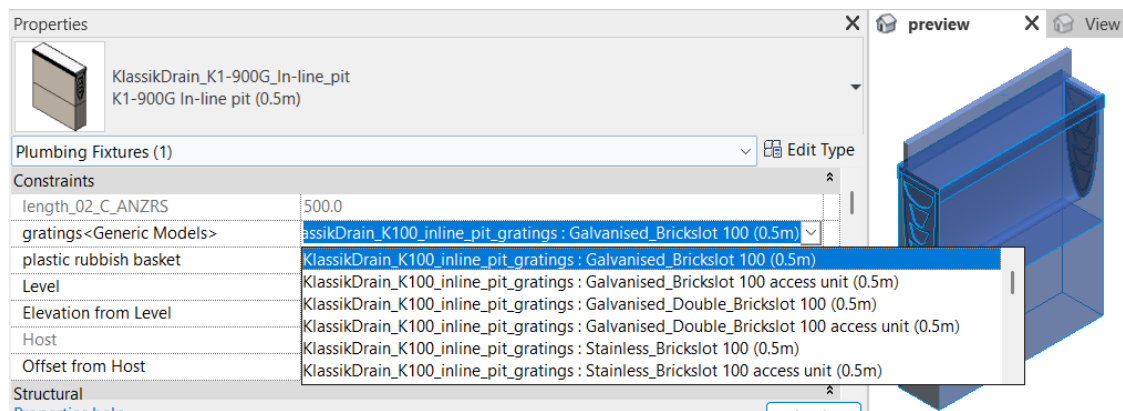


Selection of Gratings for In-line pit

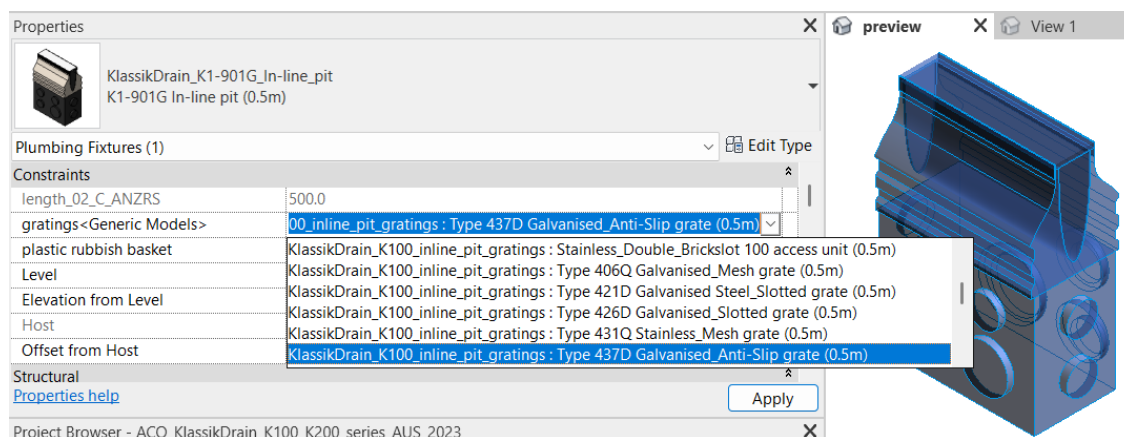
KlassikDrain K100 in-line pit

K1-900 In-line pit (0.5m)

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



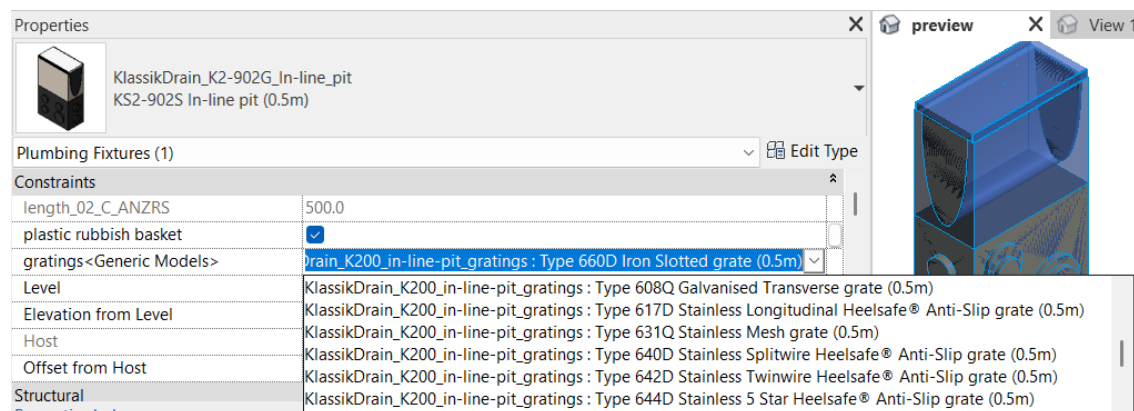
K1-901 In-line pit (0.5m)



KlassikDrain K200 in-line pit

K2-902 In-line pit (0.5m)

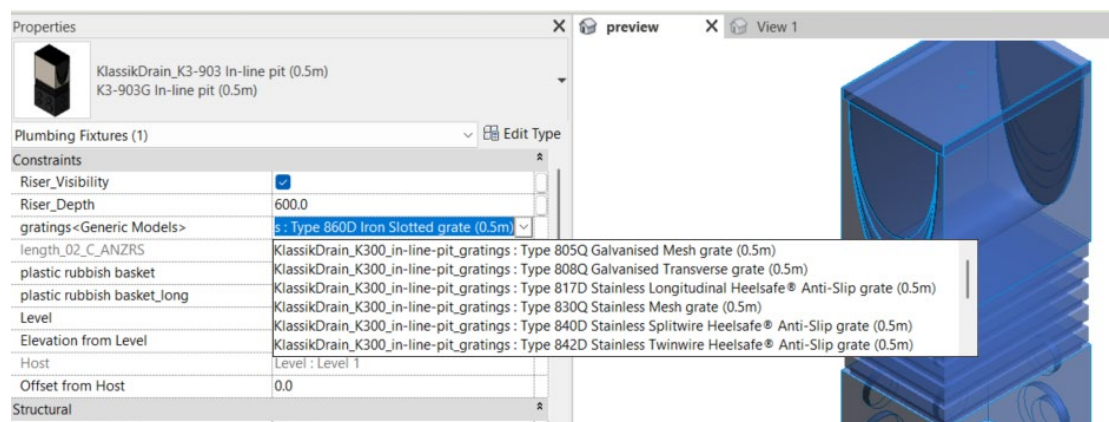
Click on the model – At properties tool bar, it will display gratings<Generic models> click on the Down arrow for selecting three different gratings Including Brickslot and select the appropriate gratings for the channel



KlassikDrain K300 in-line pit

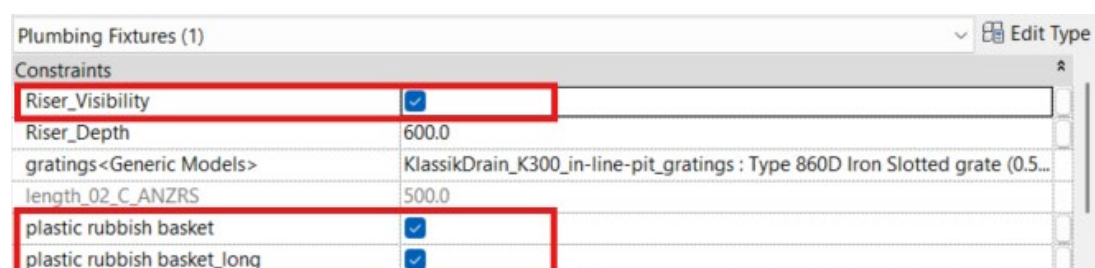
K3-903 In-line pit (0.5m)

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



Selection of Accessories for In-line pit:

Click on the model, at properties tool bar, it will display a list of accessories such as Riser_Visibility, plastic rubbish basket, plastic rubbish basket_long. If user needs Accessories just select by checking the tick box, if don't just uncheck the list as shown below.



Material Library:

The ACO Klassikdrain_K50 - K300 files contain materials that are already pre-loaded into the components. When loading the ACO Klassikdrain_K50 - K300 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 KlassikDrain K50 - K300 series								
A	B	C	D	E	F	G	H	
Count	code_supplier_article_C_ANZRS	item_description	net_mass_S_ANZRS	URL	Manufacturer	productrange	OmniClass Title	
1	142838	ACO K1-900G In-line pit (0.5m)	29.50 kg	https://acodrain.com.au/products/	ACO	KlassikDrain	Rainwater Removal	
KlassikDrain_K1-900G_In-line_pit: 1	141818	ACO KS1-901S In-line pit (0.5m)	23.90 kg	https://acodrain.com.au/products/	ACO	KlassikDrain	Rainwater Removal	
KlassikDrain_K1-901G_In-line_pit: 1	141820	ACO KS2-902S In-line pit (0.5m)	30.80 kg	https://acodrain.com.au/products/	ACO	KlassikDrain	Rainwater Removal	
KlassikDrain_K2-902G_In-line_pit: 1	141822	ACO K3-903S In-line pit (0.5m)	39.90 kg	https://acodrain.com.au/products/	ACO	KlassikDrain	Rainwater Removal	
KlassikDrain_K3-903 In-line pit (0.5m): 1	144010	K1-10 Sloped channel - (1m)	16.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	144011	K1-11 Sloped channel - (1m)	16.40 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	144043	K1-010 Neutral channel - (1m)	16.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	144044	K1-0103 Neutral channel - (0.5m)	7.70 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	144049	K1-040 Neutral channel - (1m)	27.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
PF_ST_KlassikDrain_K100 & KS100_channels_AUS_ACO: 5	145001	K2-1 Sloped channel - (1m)	37.90 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
2	145041	K2-00 Neutral channel - (1m)	37.90 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	145049	K2-040 Neutral channel - (1m)	57.40 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
PF_ST_KlassikDrain_K200 & KS200_channels_AUS_ACO: 5	146041	K3-00 Neutral channel - (1m)	60.10 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	146043	K3-010 Neutral channel - (1m)	65.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	146050	K3-0403 Neutral channel - (0.5m)	44.30 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	146449	K3-040 Neutral channel - (1m)	81.40 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
PF_ST_KlassikDrain_K300 & KS300_channels_AUS_ACO: 4	04071	K50 Neutral channel - (1m)	8.20 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
3	06750	KS50 Neutral channel - (1m)	8.20 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
PF_ST_Miniklassik_K50 & KS50_channels_AUS_ACO: 6	01498	ACO KlassikDrain-K100 - Type 900 In-line plastic rubbish basket	0.50 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_100_In-line plastic rubbish basket_ACO: 1	97477	K100KS100S100K Installation device	1.30 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	13999	ACO KlassikDrain-K200 - Type 902 In-line plastic rubbish basket	0.50 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K200_In-line plastic rubbish basket_ACO: 1	97478	K200KS200S200K Installation device	1.30 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K200_Installation device_ACO: 1	02899	QuickLok bar	0.10 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K200_QuickLok bar_ACO: 1	97479	K300KS300S300K Installation device	2.20 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K300_Installation device_ACO: 4	02899	QuickLok bar	0.10 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K300_QuickLok bar_ACO: 4	02899	QuickLok bar	0.10 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_QuickLok bar_ACO: 1	98653	ACO KlassikDrain K300 - Type 903 In-line plastic rubbish basket	1.60 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_K300_In-line plastic rubbish basket_ACO: 1	143341	Type 814D Galvanised Longitudinal Heelsafe® Anti-Slip grate (0.5m)	8.40 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_K300_In-line-pit_gratings_ACO: 1	96822	K100KS100 End cap	0.20 kg	https://acodrain.com.au	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K100_endcaps_ACO: 1	12614	Type 425D Galvanised Slotted grate (1m)	4.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	132720	Type 492D Black polyamide Plastic Slotted Heelsafe® Anti-Slip(0.5m)	1.00 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
3	142404	Type 431Q Stainless Mesh grate (0.5m)	2.10 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
2	143337	Type 415D Galvanised Longitudinal Heelsafe® Anti-Slip grate (0.5m)	2.30 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
ZZZ_do not use_PF_ST_KlassikDrain_K100_gratings_ACO: 8	12641	Type 452D Grade 304 stainless Steel Slotted grate 0.5m)	1.40 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	
1	142216	Type 447D Stainless Wedgewire Heelsafe® Anti-Slip grate (0.5m)	1.60 kg	https://acodrain.com.au/	ACO	KlassikDrain	Rainwater Removal	