

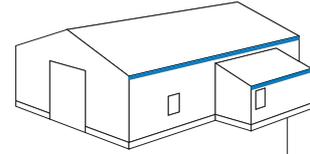
Lindab **Roof Drainage System**

Lindab Rainline™

Assembly instructions rectangular roof drainage system

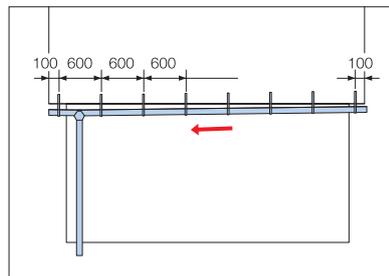


Assembly instructions

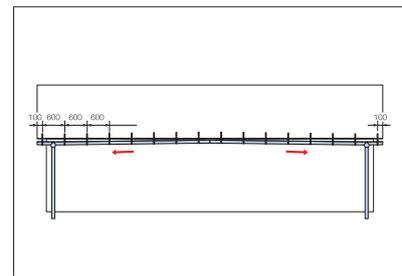


Number of brackets and drain pipes

The brackets should be mounted with c/c 600 mm. The end brackets are mounted 100 mm from the roof edge. The inclination of the gutter towards the down pipe should be at least 2,5 mm/m. Calculate how many brackets you need for each roof part (example 10 m/0,6 m + 1 = 18 brackets). Each drain pipe covers maximum 10 m gutter fall (length of the house). For a esthetic reasons or if the gutter fall exceeds 10 m, place pipes on each corner of the house.



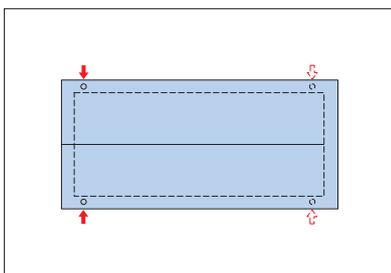
One downpipe for roof length less than 10 m



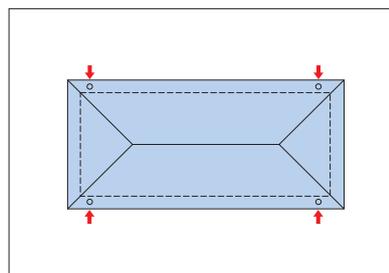
Two downpipes for roof length exceeding 10 m

Where to place the pipes

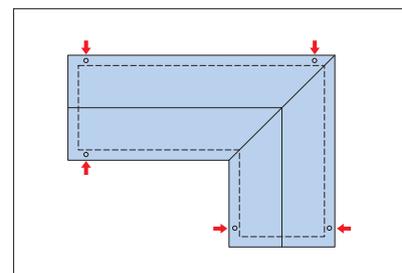
The pictures below show recommended placement of drainpipes for different houses.



Saddle roof. 1 or 2 per side.

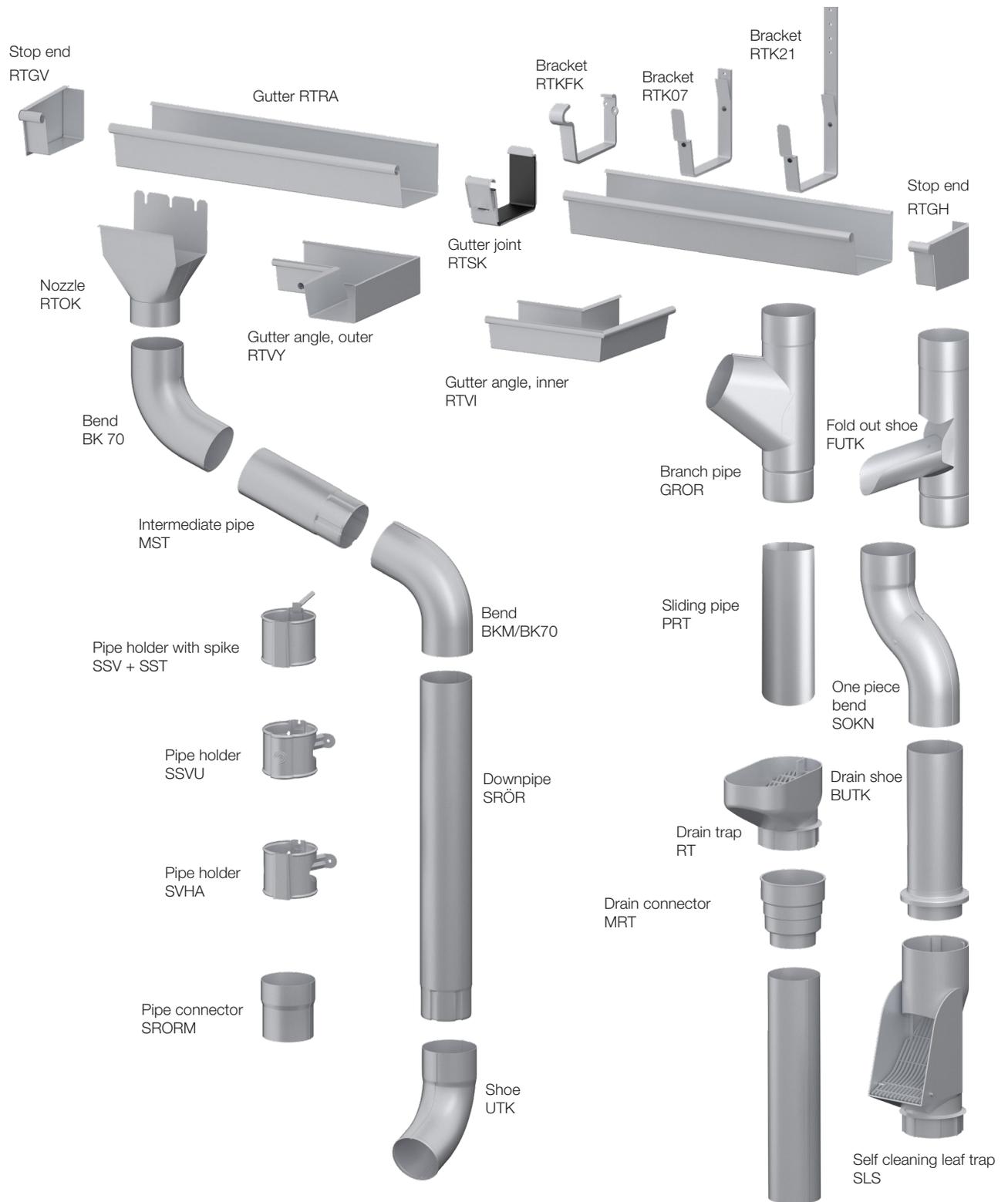


Hipped roof



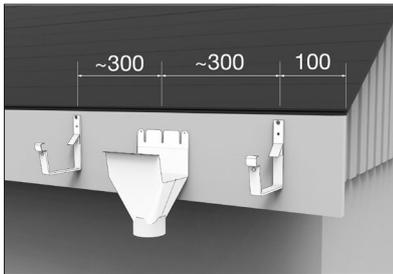
L-shaped roof

Product overview - rectangular

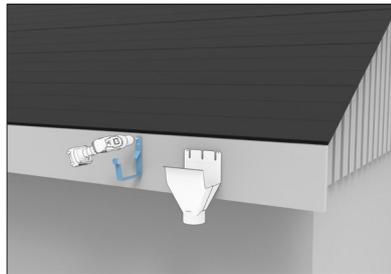


Assembly – Rectangular Roof Drainage System

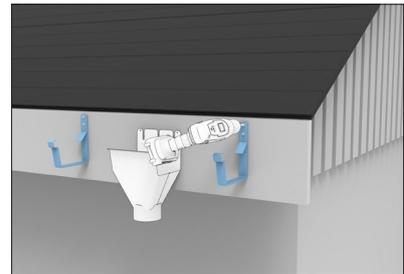
Bracket assembly



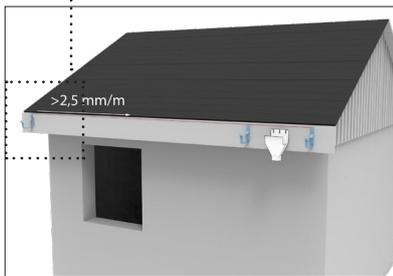
Mark out for the brackets around the down pipe.



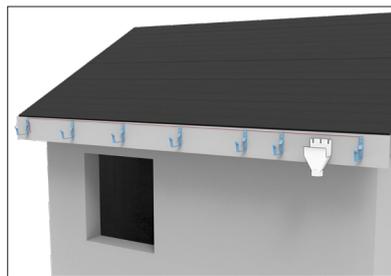
Fasten the "low bracket" 300 mm left to the down pipe mark.



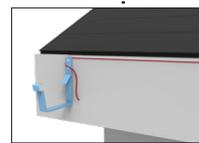
Fasten the bracket right of the down pipe mark higher than the low bracket.



Fasten "high bracket" at the opposite end of roof base. The inclination to the pipe shall be 2,5 mm/m.

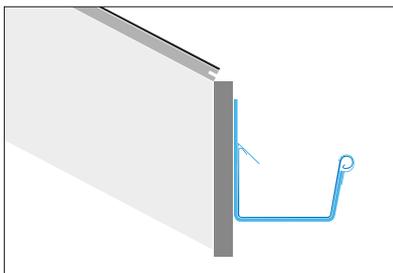


Fasten the other brackets with c/c 600 mm along the string.

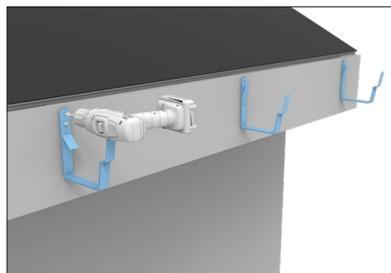


Put a string between the high and low bracket. It will help you to place the other brackets.

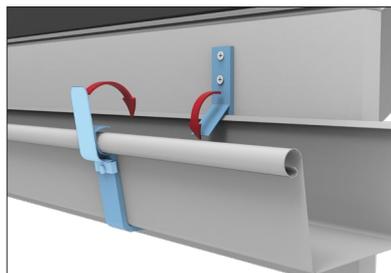
Bracket RTK07 and RTFKF assembly



Use bracket RTK07 or RTFKF for perpendicular roof base.

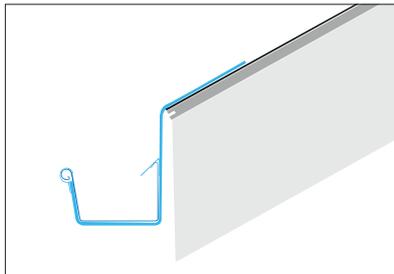


The inclination shall be 2,5 mm/m.

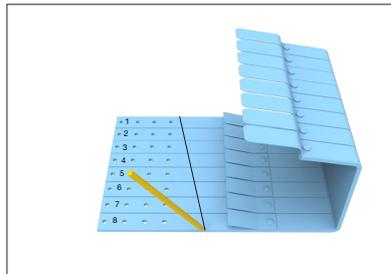


Assembly – Rectangular Roof Drainage System

Bracket RTK21 assembly



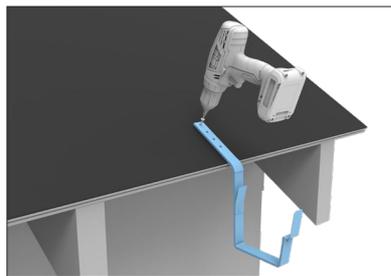
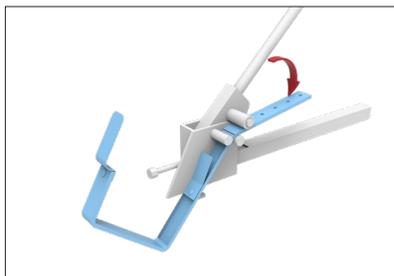
Alternative to use bracket RTK21



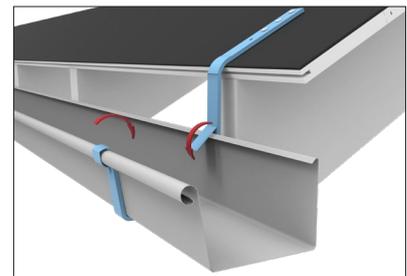
Mark out on the brackets for the gutter incline. Number the brackets. 1 is for "Low bracket". Last bracket is "High bracket".



Bend the brackets at the marking. Minimum radius 10 deg.



Mount brackets no.1 "Low bracket", and fasten the other brackets accordingly.

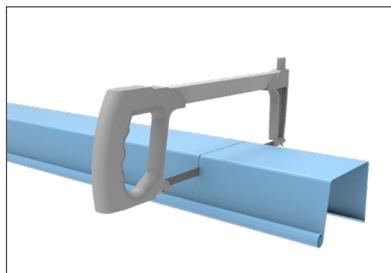


Bend the front clip first and second the clip in the back.

Cutting gutter RTRA

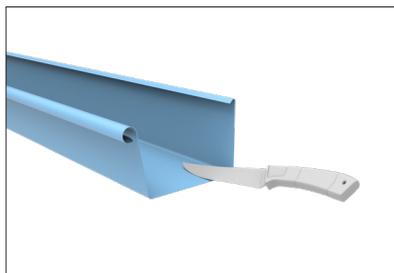


Place the gutter in the bracket.

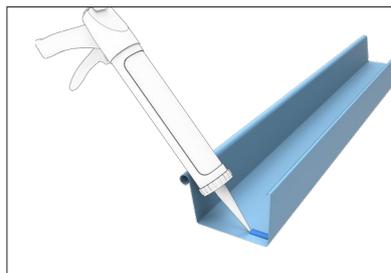


Use a hack saw to cut the gutter.

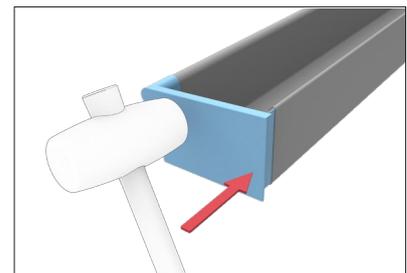
Stop end RTGV & RTGH



Remove the filings.



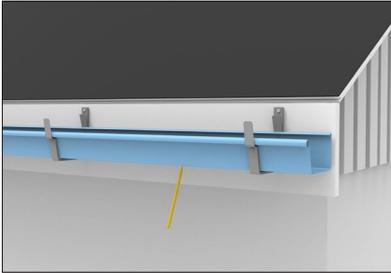
Use silicone as sealing.



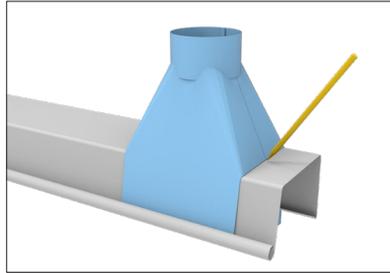
Use a rubber hammer to fix it to the gutter.

Assembly – Rectangular Roof Drainage System

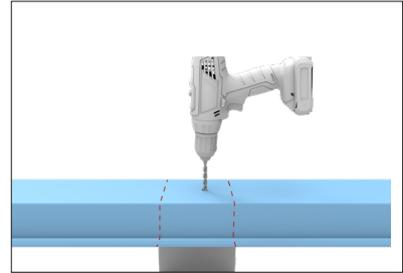
Gutter and nozzle RTOK



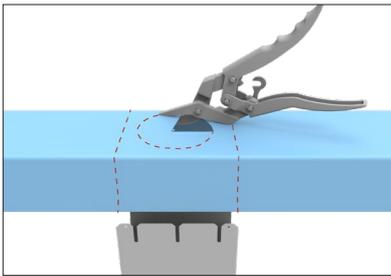
Place the gutter in the brackets and mark out for the gutter outlet RTOK on the gutter.



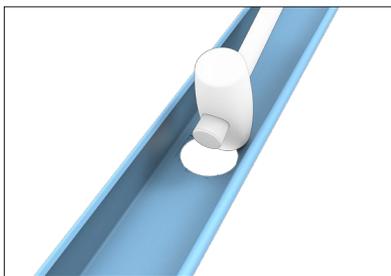
Use the outlet as template on the gutter.



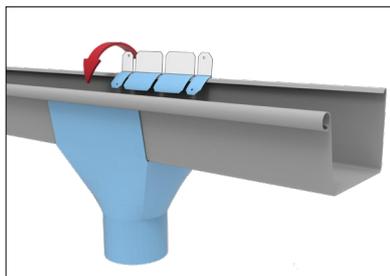
Create a hole in the gutter with a drill.



Finish by cutting up to the bead and backside.



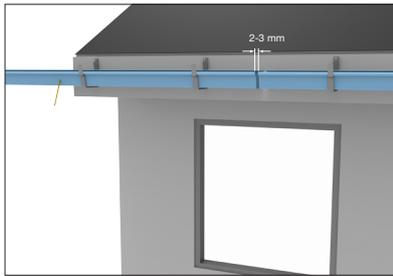
To get a smooth water fall, use a hammer on the edges.



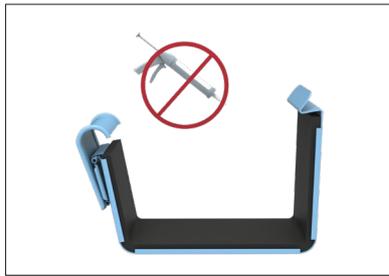
Place the outlet on the gutter.

Assembly – Rectangular Roof Drainage System

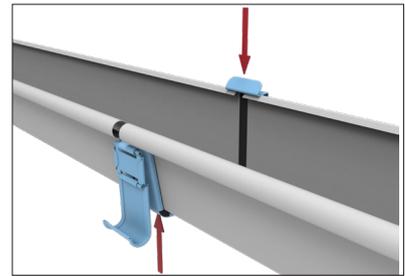
Gutter joint RTSK



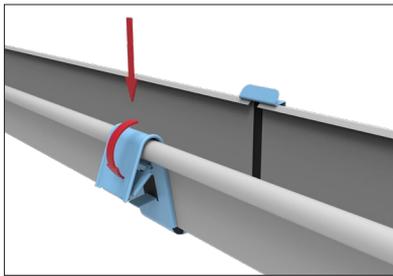
Place the gutter to be joined in the brackets and mark out the needed length.



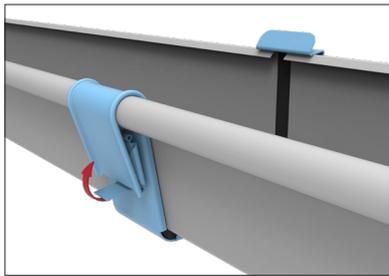
Use self sealing RTSK gutter joint. Silicone should not be used.



Place the gutter joint over the gutter.

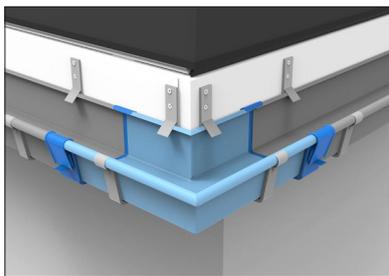
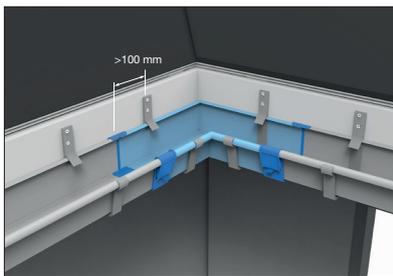


Press the sealing to the gutter.



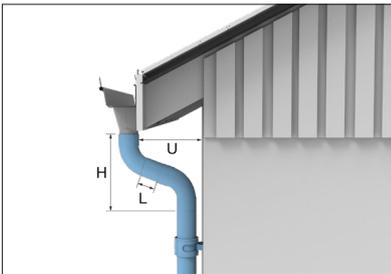
Close the gutter joint and lock.

Gutter angle RTVI/RTVY

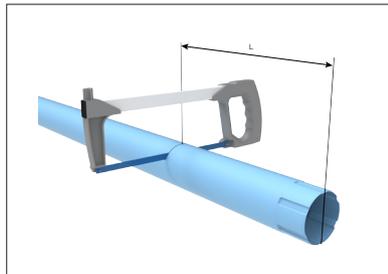


Assembly – Rectangular Roof Drainage System

Down pipe bends



Check the measures to get the length of the intermediate pipe MST. Use table on the side.

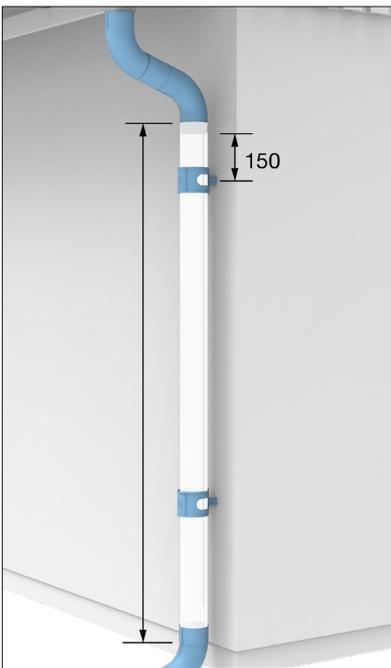


Use a hack saw to cut the intermediate pipe MST. Remove sharp metal filings with a knife.

Intermediate pipelength at 70° bends

U mm	H mm	L mm
220	275	0
270	290	100
300	300	135
350	320	185
400	340	240
450	355	290
500	375	345
550	395	400
600	410	455
650	430	505
700	450	560
750	465	610
800	485	665
850	505	720
900	520	770
950	540	825
1000	555	880
1050	575	930
1100	595	985
1150	610	1040
1200	630	1090

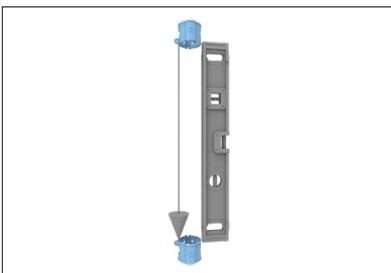
Down pipe and holder



Measure the length of the down pipe. Mark out for the pipe holders SSVU



Assemble the pipe Shoe UTK. Use a self tapping screw on the back side.



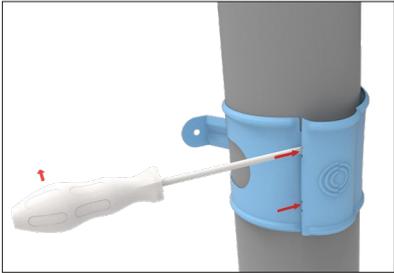
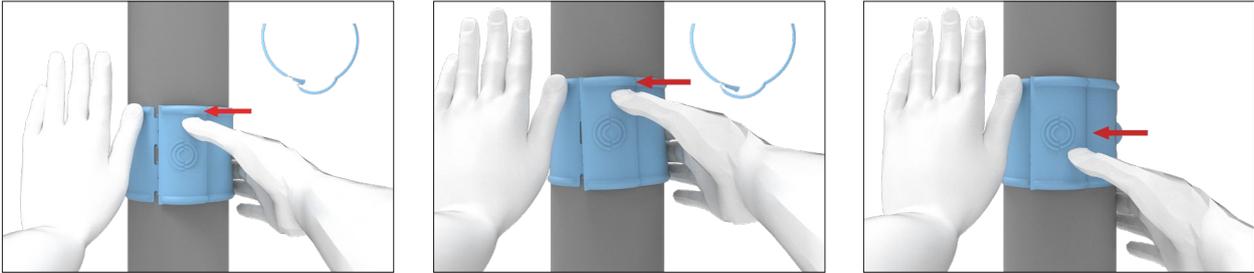
Level the pipe holders with spirit level or plumb line.



Fasten the pipe holder on the wall.

Assembly – Rectangular Roof Drainage System

Close up assembly pipe holder SSVU

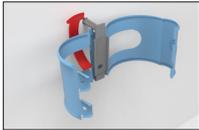


It's easy to dismount the holder if required.

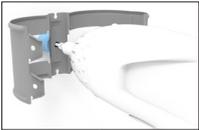
Pipeholder SSVU with SST or SSC



Cut of the legs for use of SSVU with SST and SSC.



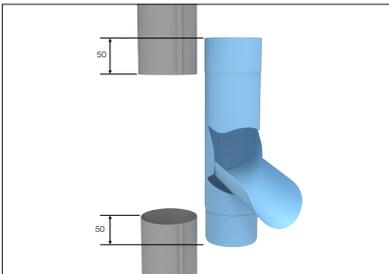
SST...



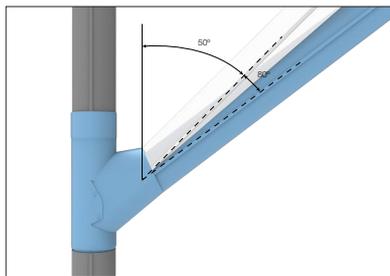
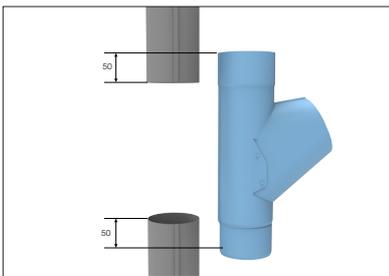
... or SSC.

Assembly – Rectangular Roof Drainage System

Adjustable shoe FUTK

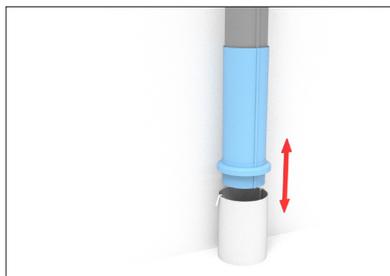
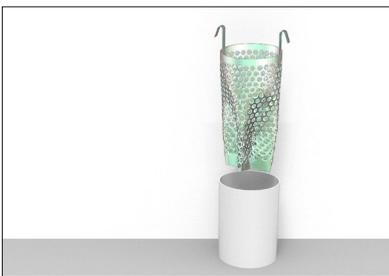


Adjustable branch GRÖR



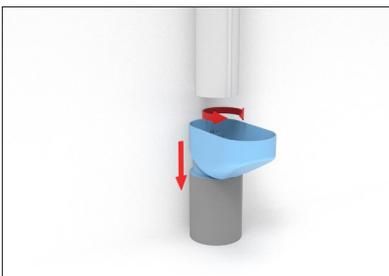
Connect a branch pipe. Can be mounted in angle 50-80°.

Leaf filter DVSIL

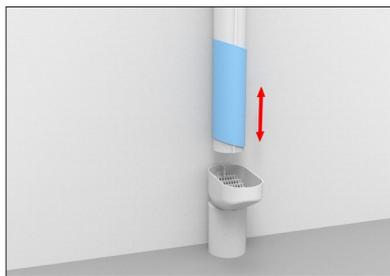


Connect the drain shoe BUTK

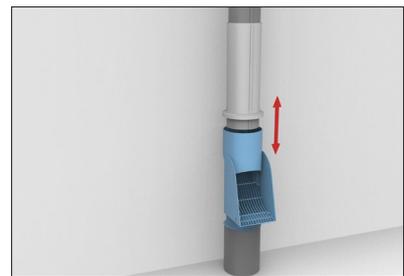
Drain trap RT



Place the drain trap in the ground pipe.



Connect the sliding pipe PRT.



You can also use a self cleaning leaf trap SLS. Use BUTK to connect.