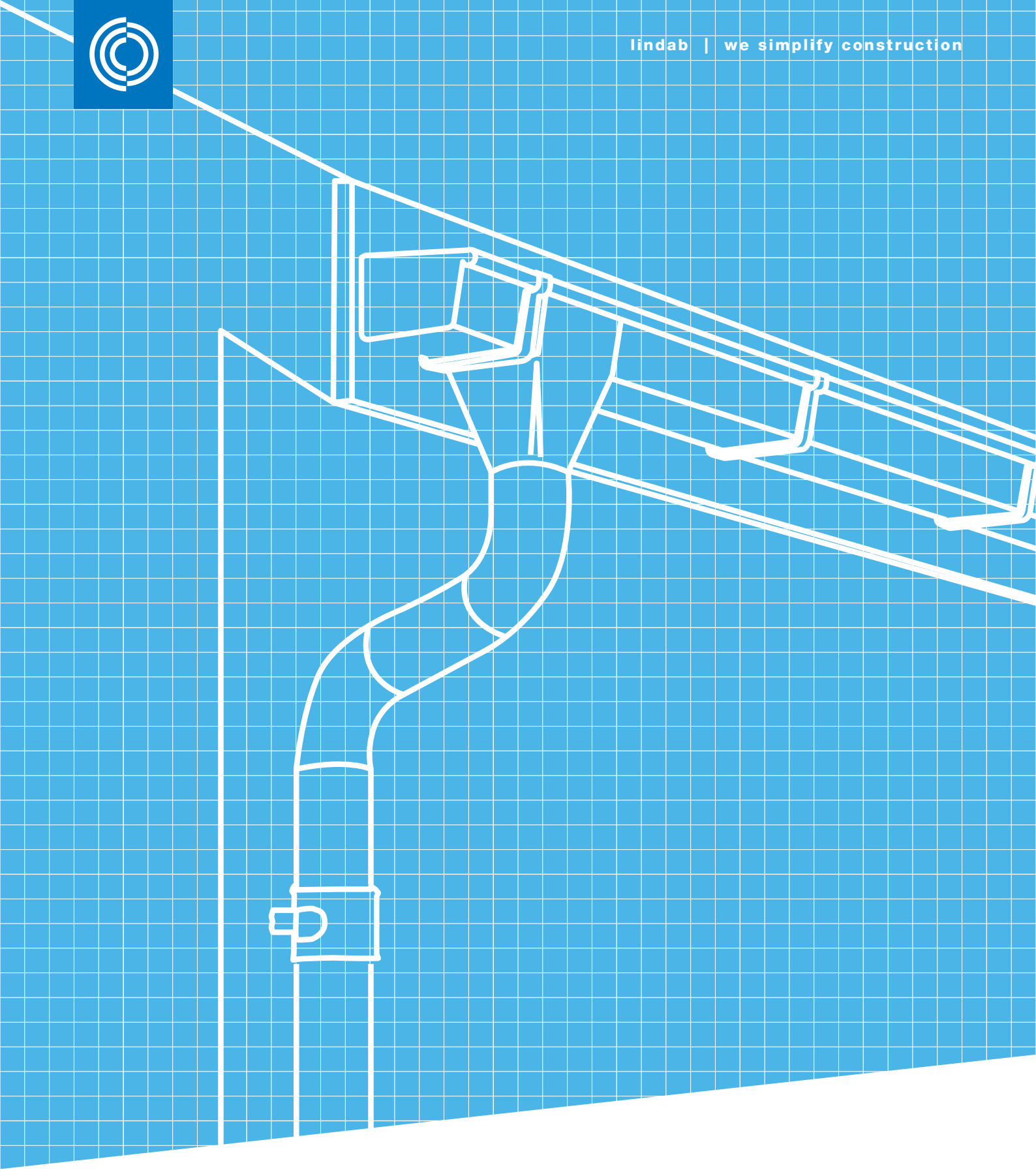


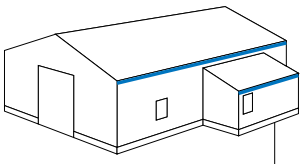
Lindab **Roof Drainage System**

Lindab Rainline™

Assembly instructions rectangular roof drainage system

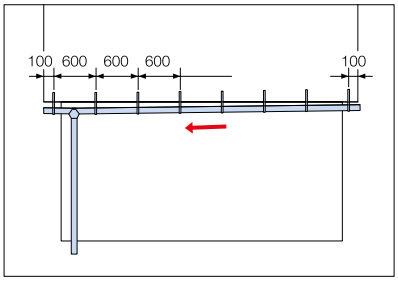
Lindab®

Assembly instructions

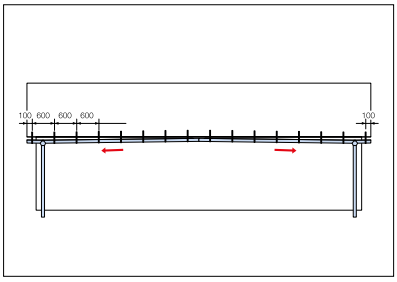




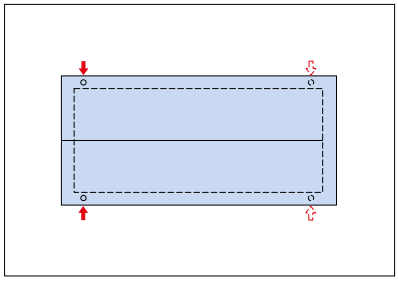
Number of brackets and drain pipes
The brackets should be mounted with c/c 600 mm. The end brackets are mounted 100 mm from the roof edge. The inclination of the gutter towards the down pipe should be at least 2,5 mm/m. Calculate how many brackets you need for each roof part (example 10 m/0,6 m +1 =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

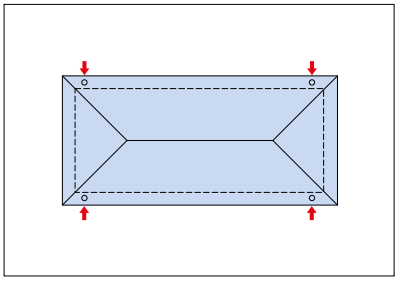


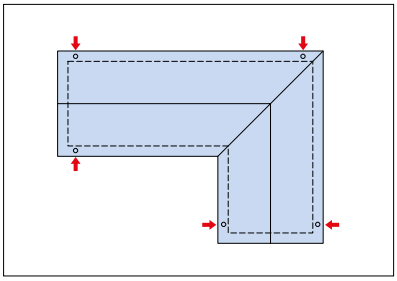
One downpipe for roof length less than 10 m


Two downpipes for roof length exceeding 10 m

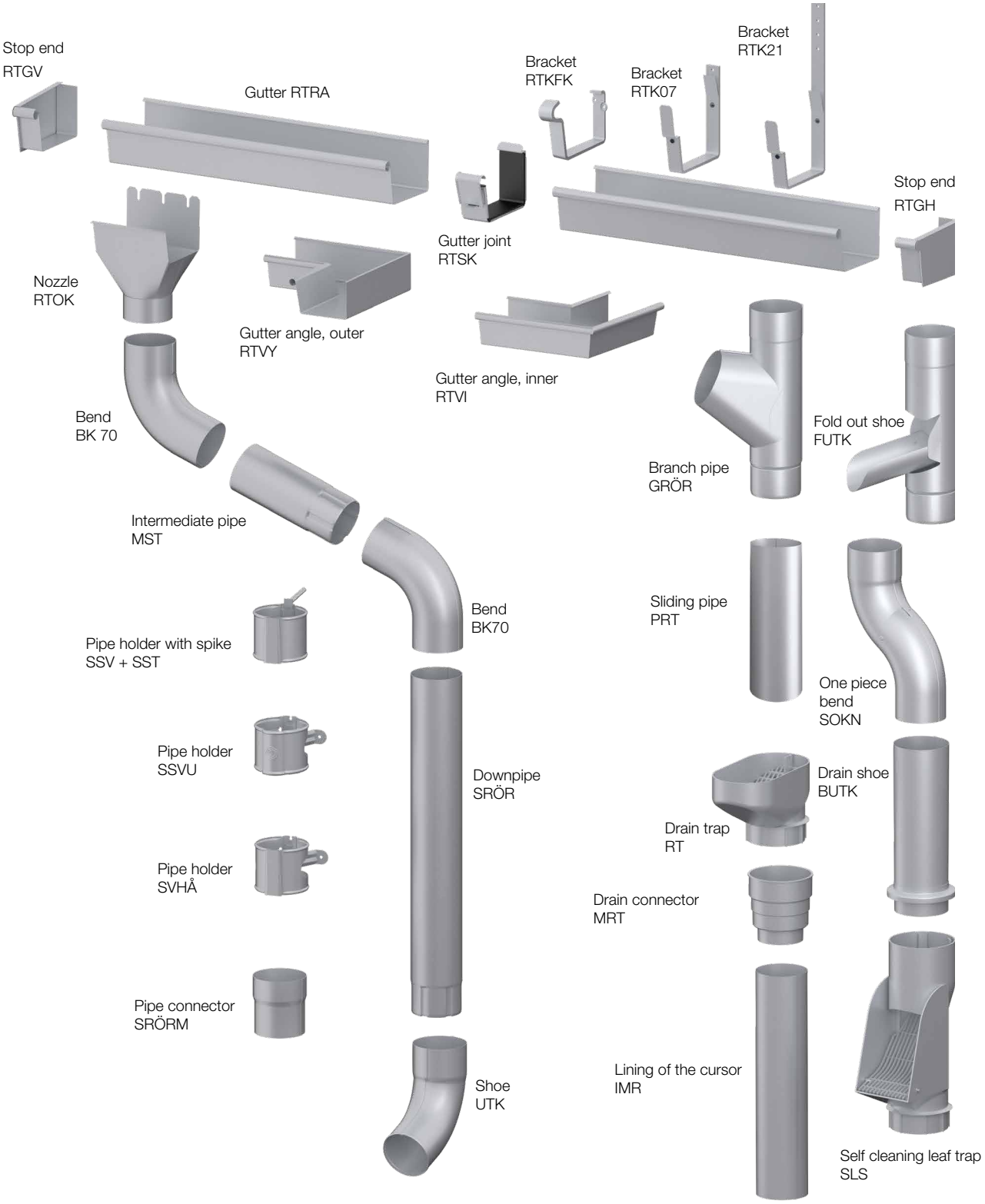
Where to place the pipes
The pictures below show recomend-ed placement of drainpipes for different houses.


Saddle roof. 1 or 2 per side.


Hipped roof

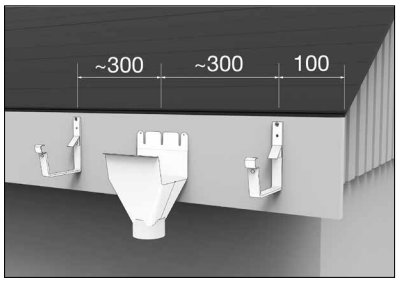

L-shaped roof

Product overview - rectangular

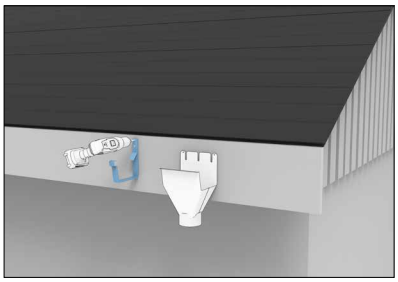


Assembly – Rectangular Roof Drainage System

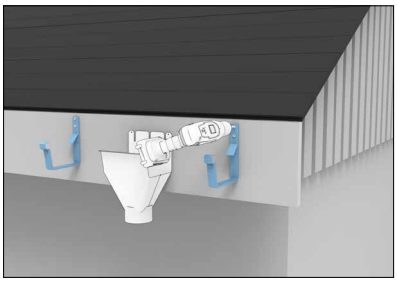
Bracket assembly



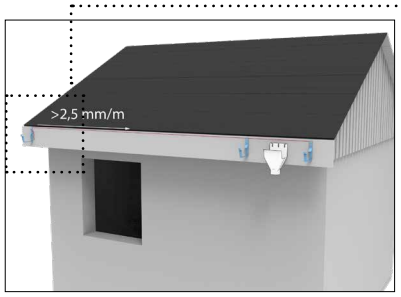
Mark out for the brackets around the down pipe.



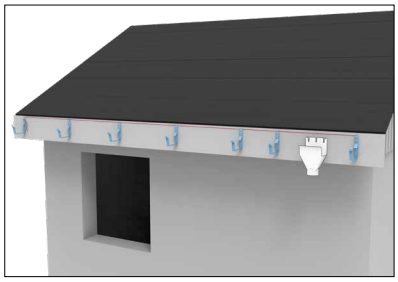
Fasten the “low bracket” 300 mm left to the down pipe mark.



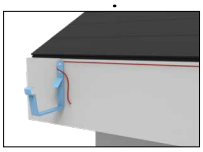
Fasten the bracket right of the down pipe mark higher than the low bracket.



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

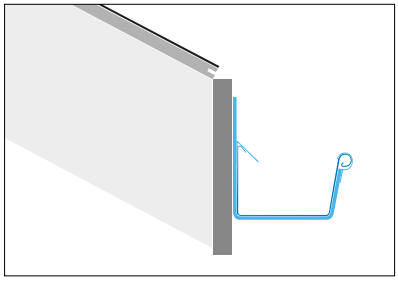


Fasten the other brackets with c/c 600 mm along the string.

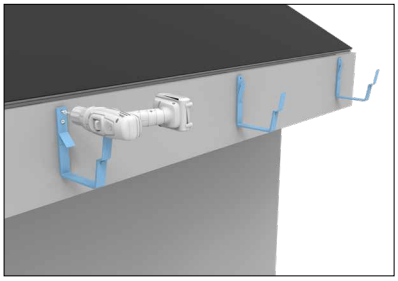


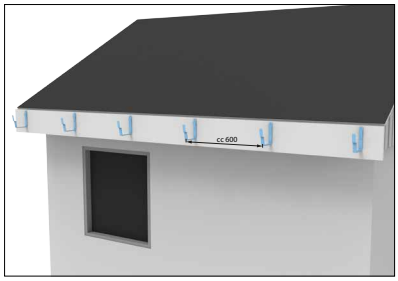
Put a string between the high and low bracket. It will help you to place the other brackets.

Bracket RTK07 assembly

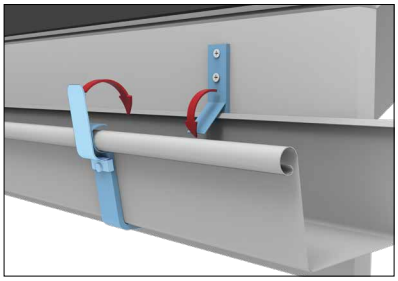


Use bracket RTK07 for perpendicular roof base.



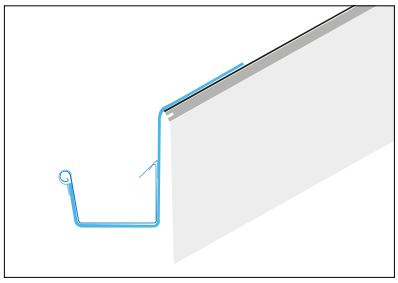


The inclination shall be 2,5 mm/m.

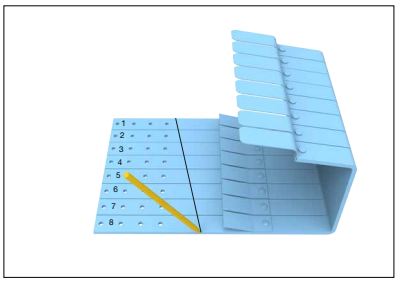


Assembly – Rectangular Roof Drainage System

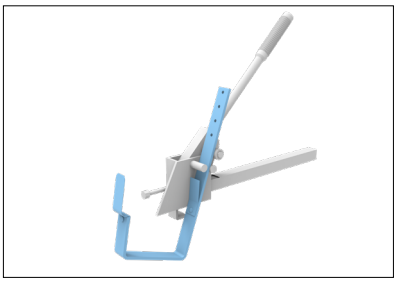
Bracket RTK21 assembly



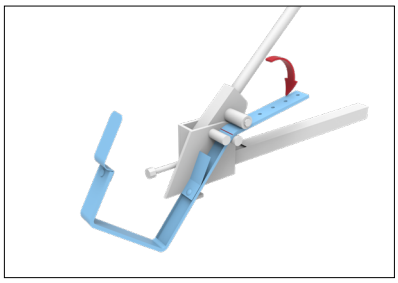
Alternative to use bracket RTK21

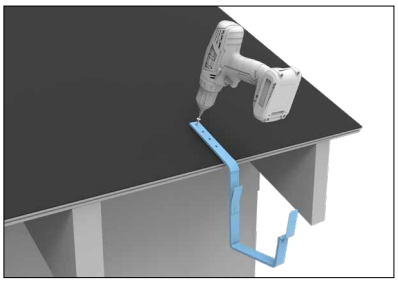


Mark out on the brackets for the gutter incline. Number the brackets. 1 is for “Low bracket”. Last bracket is ”High bracket”.

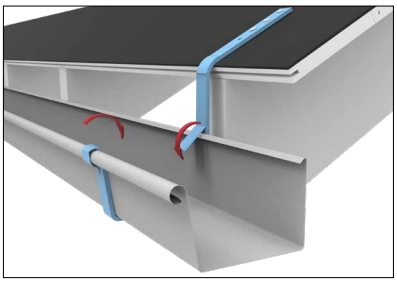


Bend the brackets at the marking. Minimum radius 10 mm.



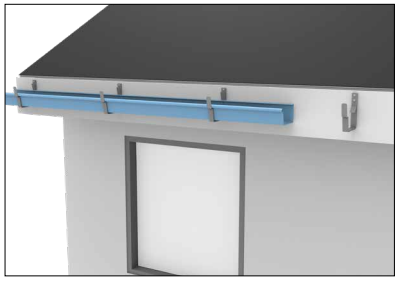


Mount brackets no.1 “Low bracket”, and fasten the other brackets accordingly.

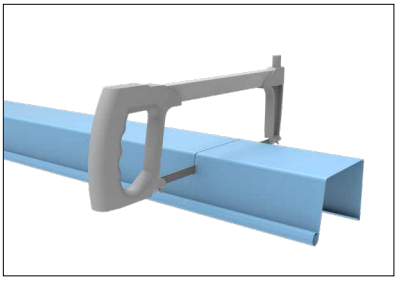


Bend the front clip first and second the clip in the back.

Cutting gutter RTRA

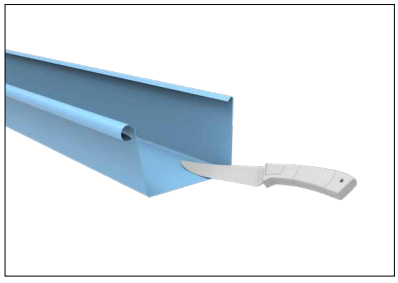


Place the gutter in the bracket.

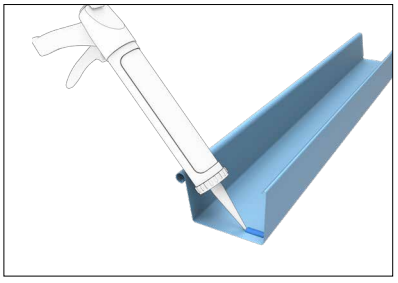


Use a hack saw to cut the gutter.

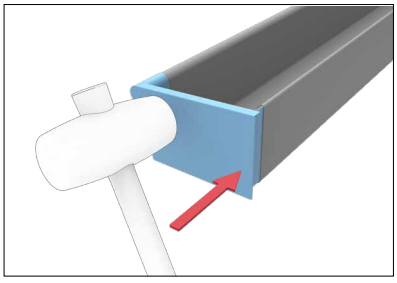
Stop end RTGV & RTGH



Remove the filings.



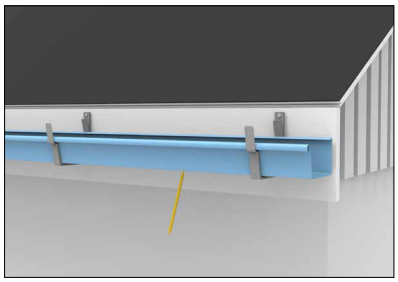
Use silicone as sealing.



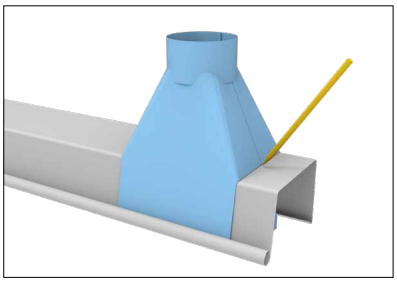
Use a rubber hammer to fix it to the gutter.

Assembly – Rectangular Roof Drainage System

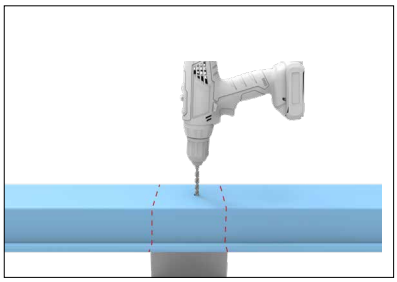
Gutter and nozzle RTOK



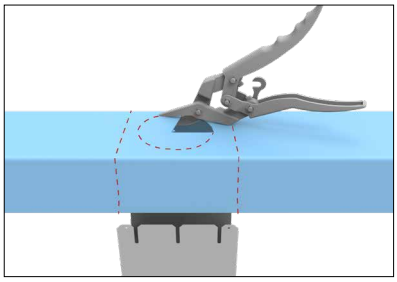
Place the gutter in the brackets and mark out for the gutter outlet RTOK on the gutter.



Use the outlet as template on the gutter.

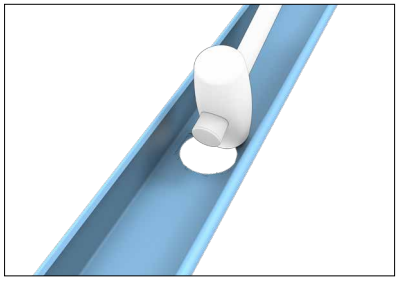


Drill a hole in the gutter with a screwdriver.

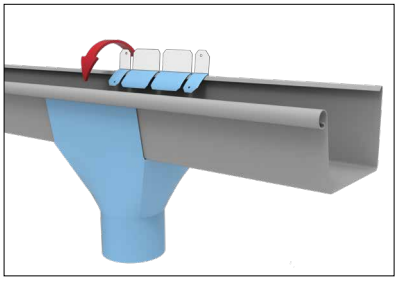


Finish by cutting up to the bead and backside.





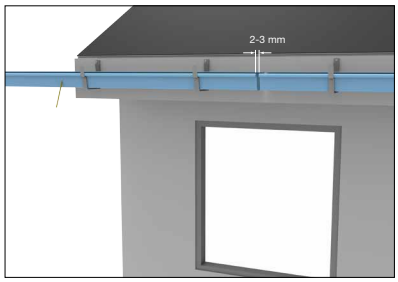
To get a smooth water fall, use a hammer on the edges.



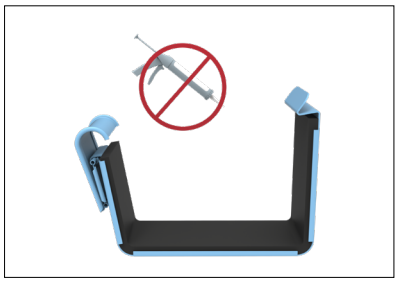
Place the gutter in the brackets.

Assembly – Rectangular Roof Drainage System

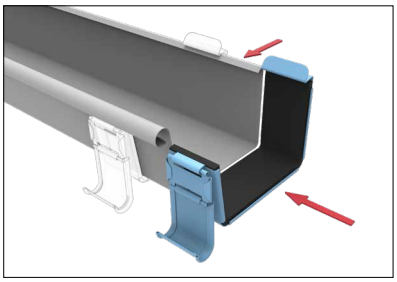
Gutter joint RTSK



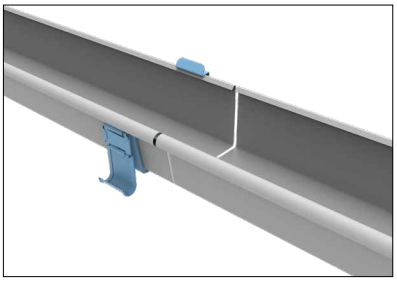
Place the gutter to be jointed in the brackets and mark out the needed length.



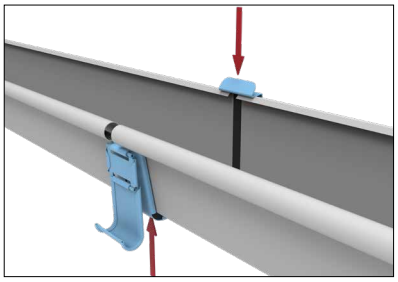
Use self sealing RTSK gutter joint. Silicone should not be used.



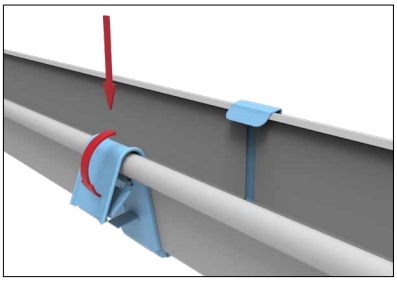
Bend the rear part of the gutter forward and slide the gutter joint.



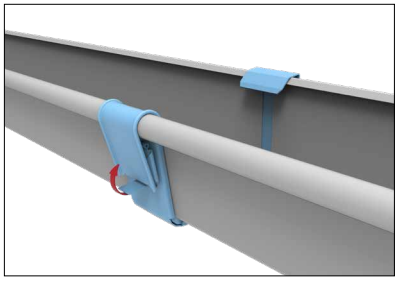
Place the second gutter.



Slide the gutter joint back so that it covers the joint between the gutters. Press the gutter joint against the gutter and fold down the flap over the back edge of the gutter.

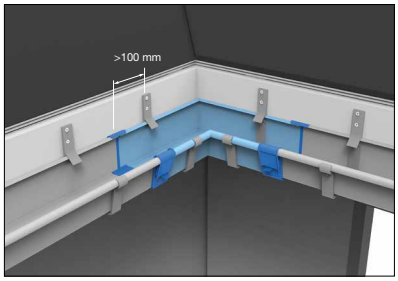


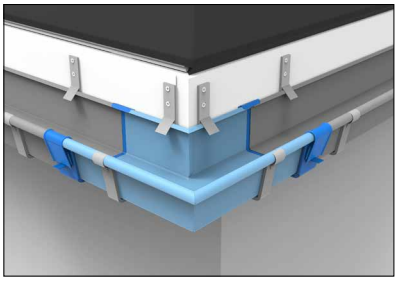
Keep the gutter joint pressed against the gutter and tighten at the leading edge to ensure a tight installation.



Close the gutter joint and lock.

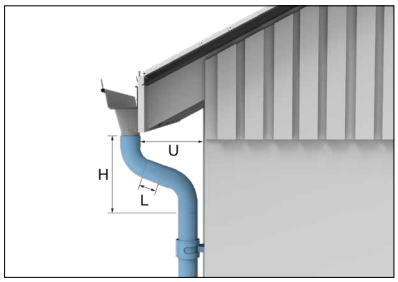
Gutter angle RTVI/RTVY



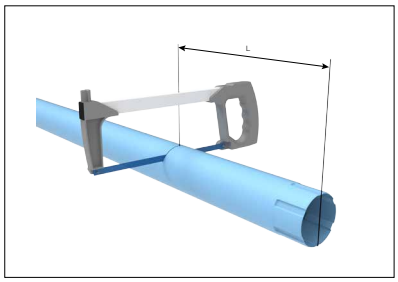


Assembly – Rectangular Roof Drainage System

Down pipe bends

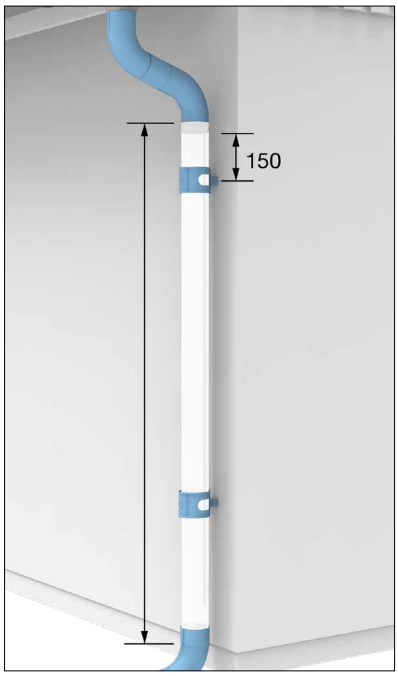


Check the measures to get the length of the intermediate pipe MST. Use table on the side.



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

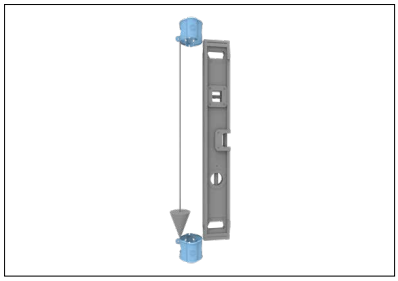
Down pipe and and holder



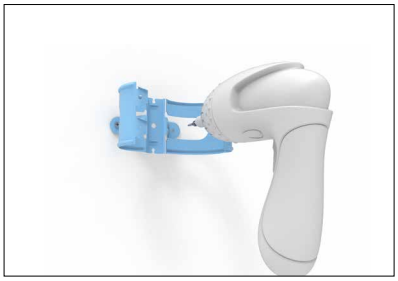
Measure the length of the down pipe. Mark out for the pipe holders SSVU



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



Level the pipe holders with spirit level or plummet.



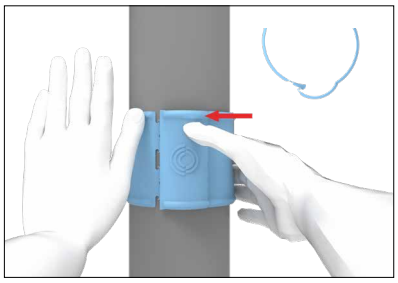
Fasten the pipe holder on the wall.

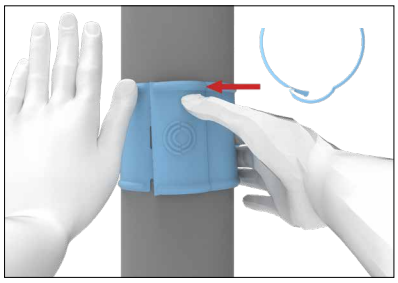
Intermediate pipelength at 70° bends

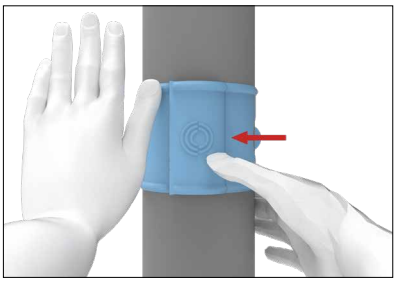
U mm	H mm	L mm
220	275	0
270	290	100
300	300	135
350	320	185
400	340	240
450	355	290
500	375	345
550	395	400
600	410	455
650	430	505
700	450	560
750	465	610
800	485	665
850	505	720
900	520	770
950	540	825
1000	555	880
1050	575	930
1100	595	985
1150	610	1040
1200	630	1090

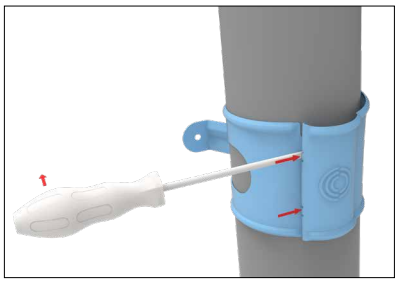
Assembly – Rectangular Roof Drainage System

Close up assembly pipe holder SSVU





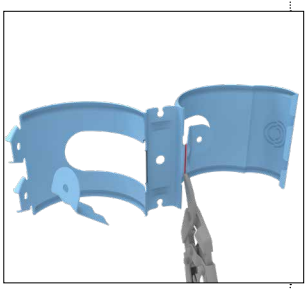




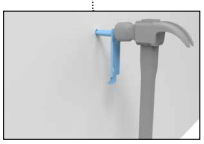
It´s easily done to dismount the holder.

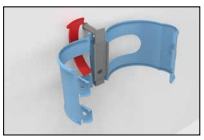
Pipeholder SSVU with SST or SSC



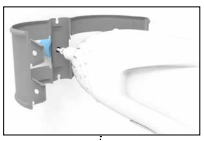


Cut of the legs for use of SSVU with SST and SSC.





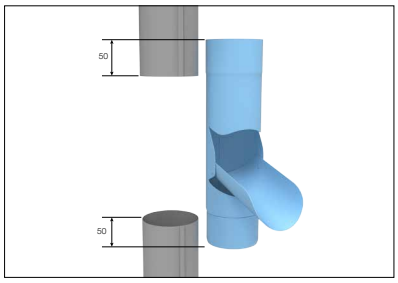
SST...

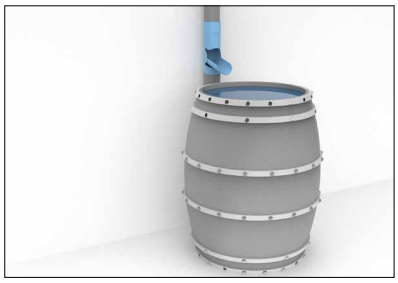


... or SSC.

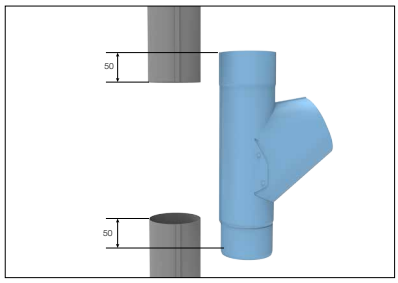
Assembly – Rectangular Roof Drainage System

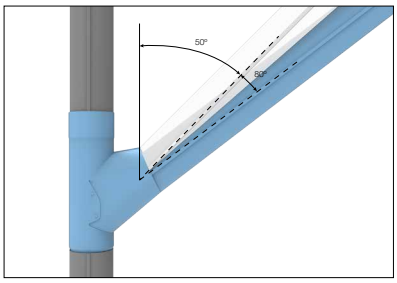
Adjustable shoe FUTK





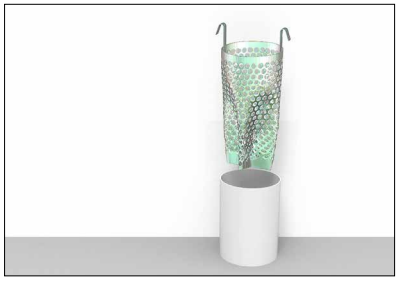
Adjustable branch GRÖR

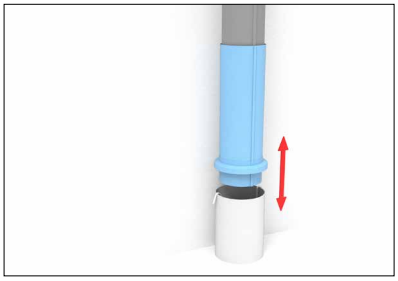




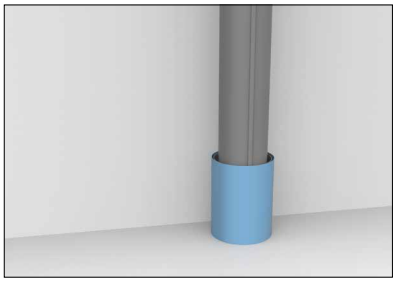
Connect a branch pipe. Can be mounted in angle 50-80°.

Leaf filter DVSIL



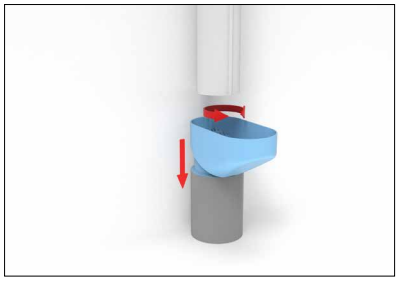


Connect the drain shoe BUTK

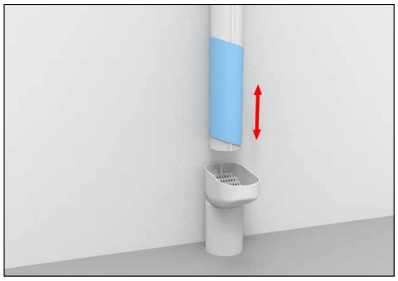


Use IMR in the same color as your rainwater system to cover the pipe from the ground.

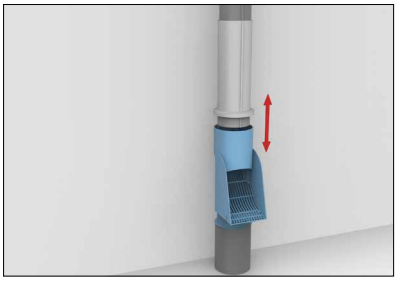
Drain trap RT



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.



Most of us spend the majority of our time indoors. Indoor climate is crucial to how we feel, how productive we are and if we stay healthy.

We at Lindab have therefore made it our most important objective to contribute to an indoor climate that improves people's lives. We do this by developing energy-efficient ventilation solutions and durable building products. We also aim to contribute to a better climate for our planet by working in a way that is sustainable for both people and the environment.

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