

Steel Gutter System  
Assembly instruction

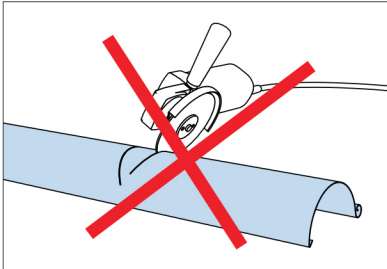


**Transport, storage, unpacking**

Make sure that the roof drainage components are handled with care during transport, storage and unpacking to avoid damage to the painted surface.

**Cutting**

Cut the gutters and pipes with hand shears or a hacksaw . Never use an angle grinder or power saw. this will generate heat and destroy the galvanization. the coating may also be scorched by hot chips.



No High speed power tools!

**Touch-up**

If the coating has been damaged, touch it up with Premier Steel's repair paint to prolong the lifespan of the roof drainage system.

**Maintenance**

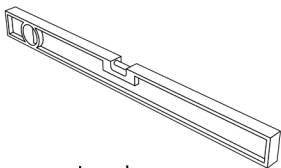
To keep the roof drainage system in top condition, give the system a good cleaning once a year. Clear the gutter and pipes from leaves and twigs and wash heavy dirt buildup with a mild soap. Dont use high presure power washer.

**Tools**

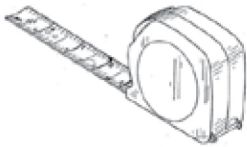
The Premier Steel Gutter Sytem can be installed with ordinary hand tools like pliers, rubber mal-let, hacksaw, screwdriver, tape rule and string. for bending hangers, you will need a roof hanger bending tool.

**Fasteners**

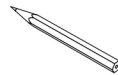
We recomend that you always use stainless steel screws and use the proper screw for each material. (wood, brick etc.)



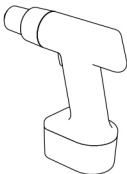
Level



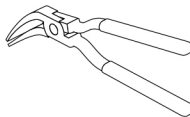
Tape rule



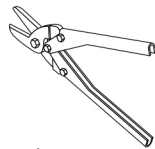
Pencil



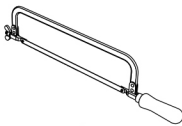
Power screw driver



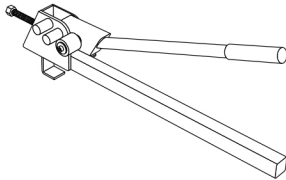
Seam plier



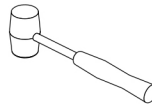
Steel scissors



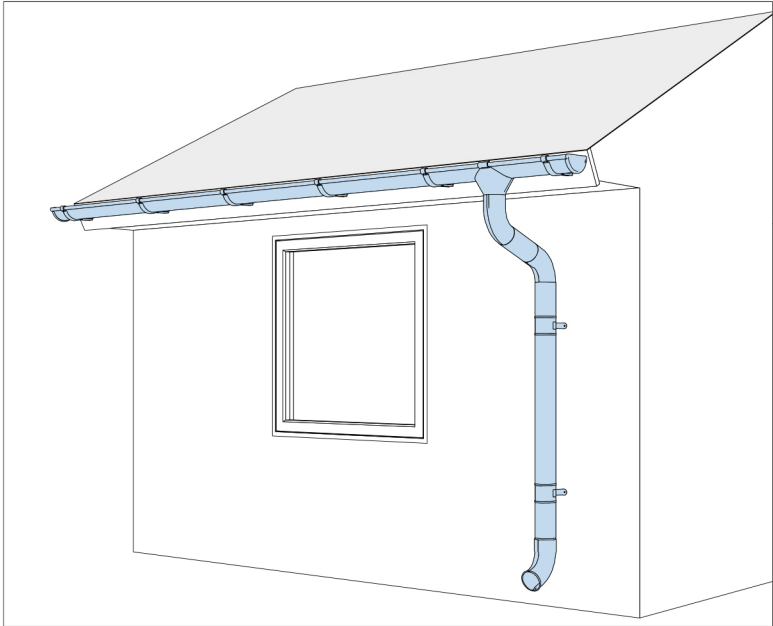
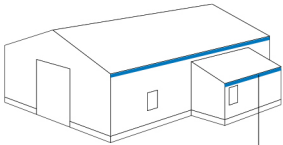
Hack saw



Hanger bending tool

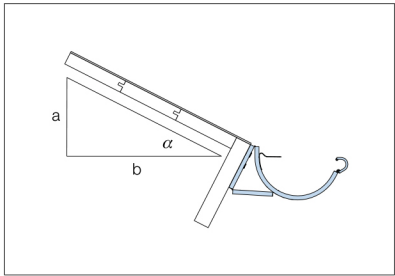


Rubber mallet



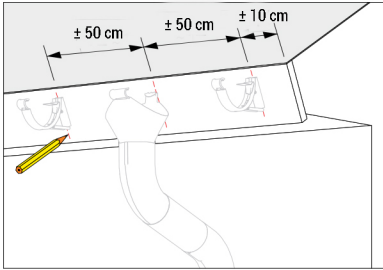
**Roof base**

Depending on the roof construction, different types of hangers can be used. An adjustabe type hanger is used in the assembly instructions that follow. on page 16. Other hanger applications are also shown as separate instructions. **The hangers options are as follows:**

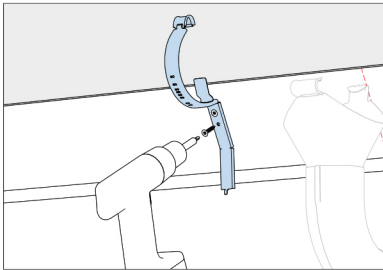


Adjustable heavy duty fascia hanger

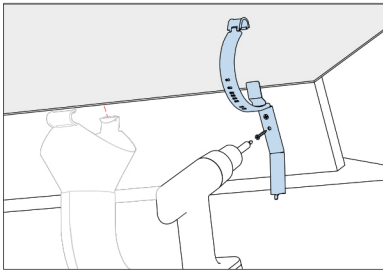
**Adjustable hanger installation**



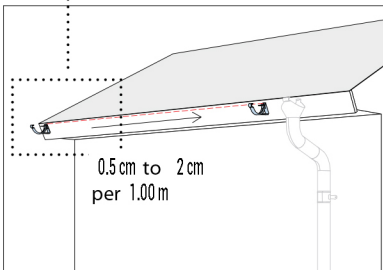
Mark out for the hangers around the downspout.



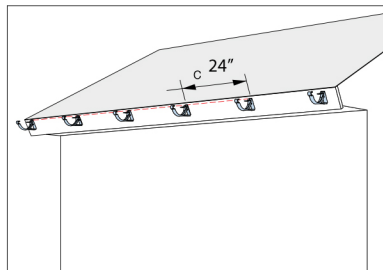
Fasten the "Low Hanger" ± 50 cm left of the downspout mark.



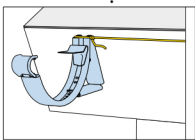
Fasten the hanger to the right of the downspout mark- 0.5 cm to 2 cm higher than the low hanger.



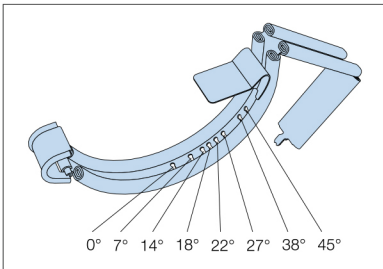
Fasten the "High Hanger" at opposite end of roof base. The slope to pipe should be 0.5 cm to 2 cm per 1.00 m



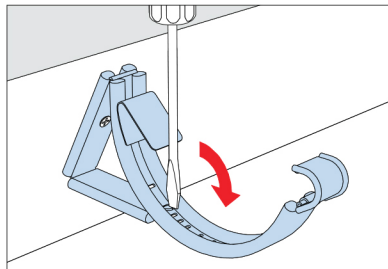
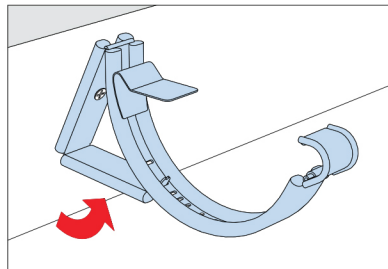
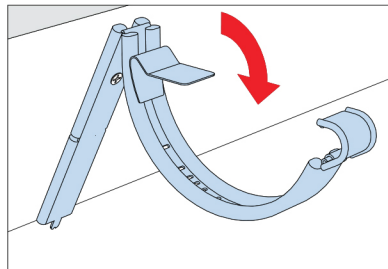
Fasten the other hangers along the string with 1.00 mc/c max.



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

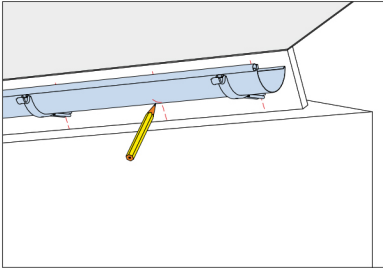


The hanger can now be adjusted

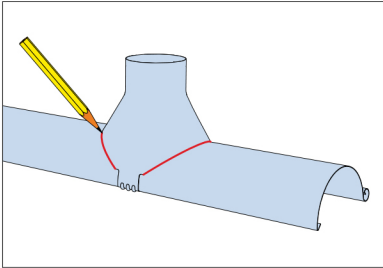


Use a screwdriver to fold the tab forward for low angles and back for angles > 22°

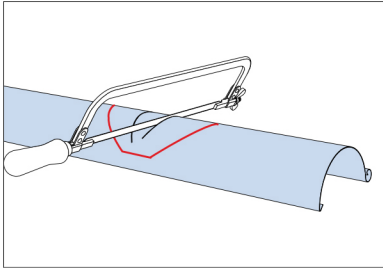
**Gutter assembly**



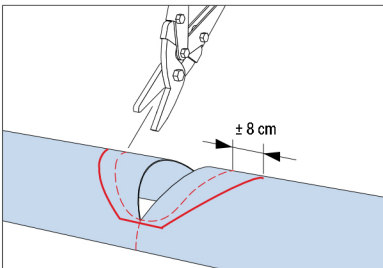
Place gutter in the hangers and mark location of the plug-in outlet



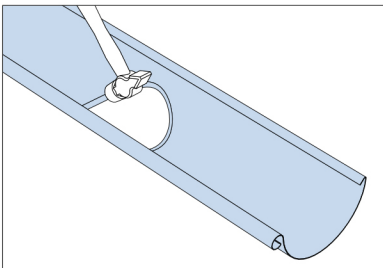
Use the outlet as a template on the gutter



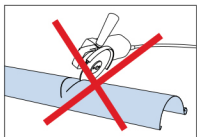
Use a hacksaw to make hole in the gutter



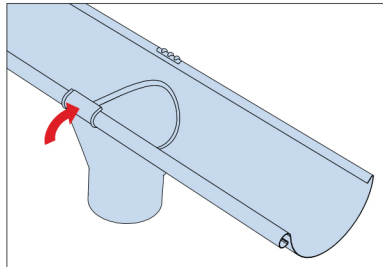
Finish bycutting up to the bead and backside as shown.



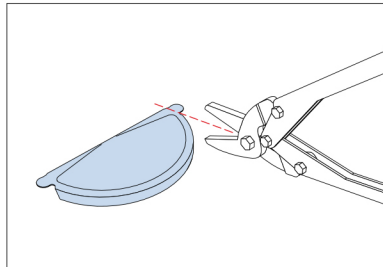
To get a smooth water fall, use a hammer to bevel the edges.



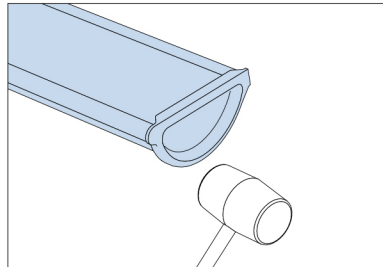
Do not use grinder or power saw, the exsessive heat caused by these tools will destroy the galvanization!



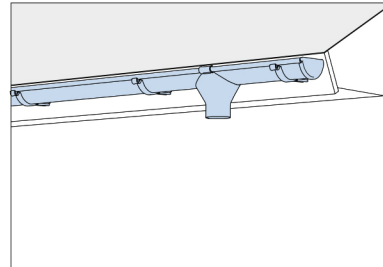
the plug-in outlet easily snaps onto the gutter.



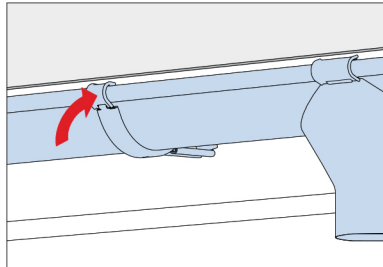
Cut or fold the ear not used.



The universal end cap is self sealing. use a rubber hammer to fix it to the gutter.

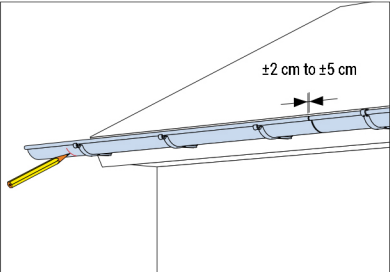


Place the gutter into the rear of the brackets.

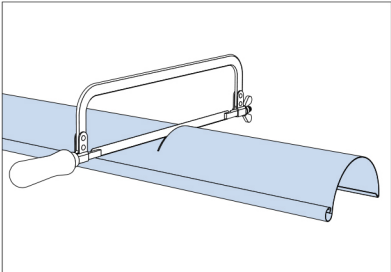


Just snap the bracket closure onto the bead of the gutter.

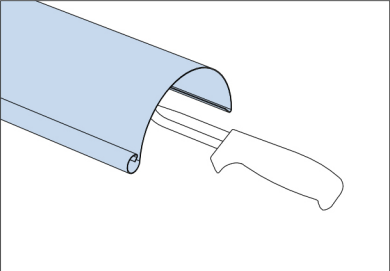
**Gutter joint**



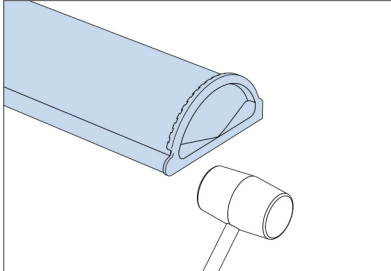
Place the gutter to be joined in the hangers and mark correct length.



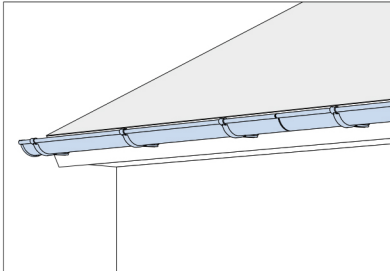
Use a hacksaw to cut the gutter.



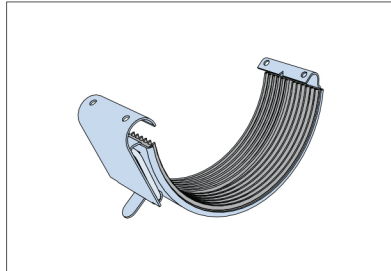
Remove the sharp fillings.



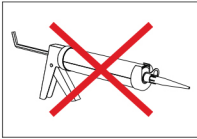
Assemble the end cap.



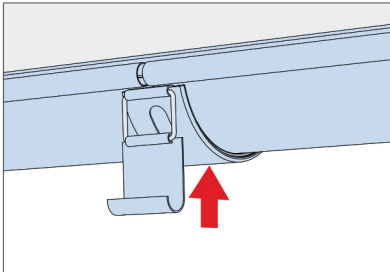
Place gutter in hanger.



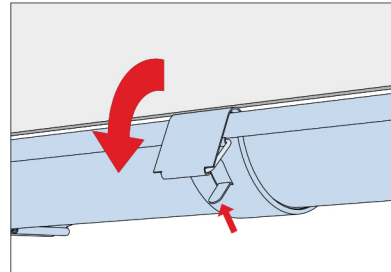
Use self sealing gutter connector



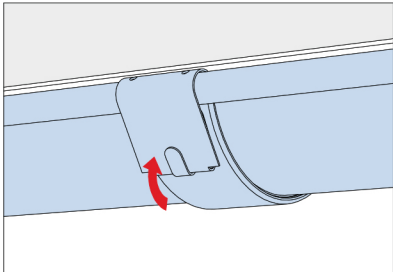
No silicone or sealer should be used.



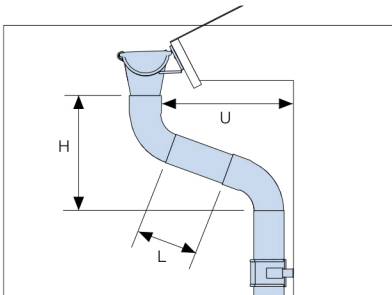
Press the EDPM rubber to the gutter.



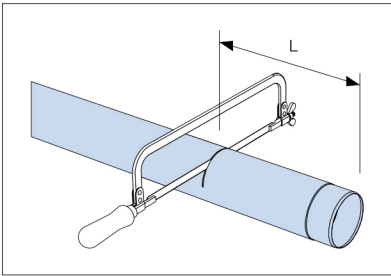
Hook over the bead and snap down.



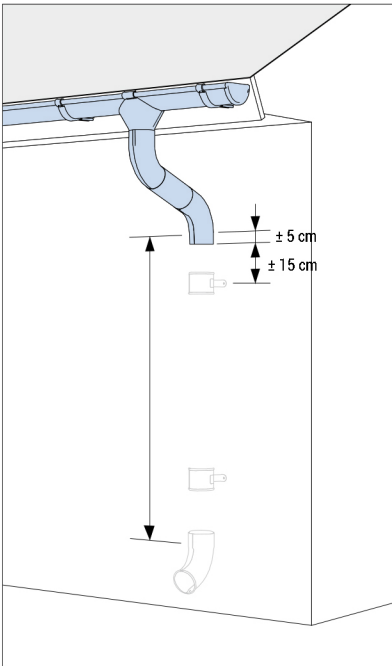
and lock



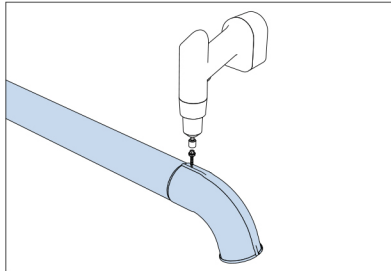
Check mesurement "U" to get the length of the bridge pipe. use table on right.



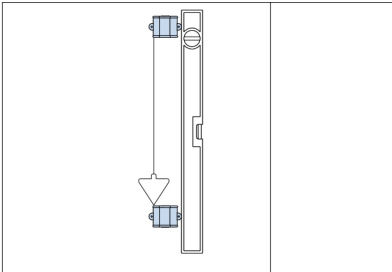
use a hacksaw to cut the bridge pipe. Remove sharp metal burs!



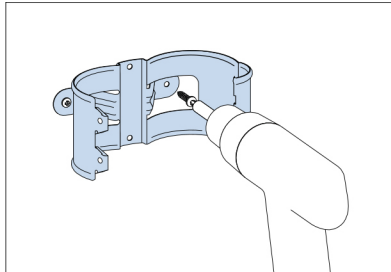
Measure the length of the downspout. Mark out the position of the brackets.



Attach the ground level beaded elbow using self tapping screw on backside.

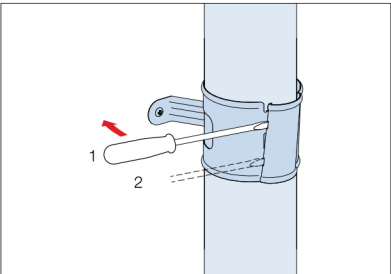
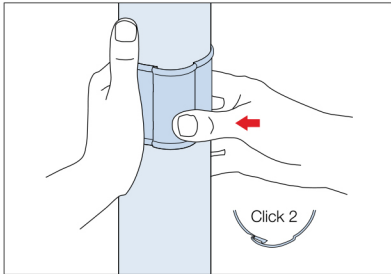
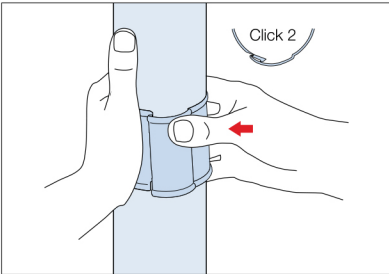
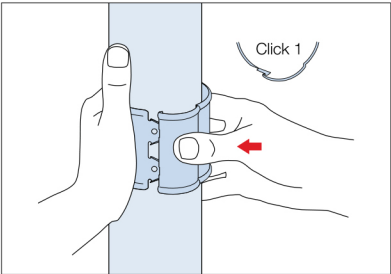


Level the brackets with level or plumb.



Fasten the brackets to the wall.

**Wide bracket installation**



It's easy to dismount the downspout