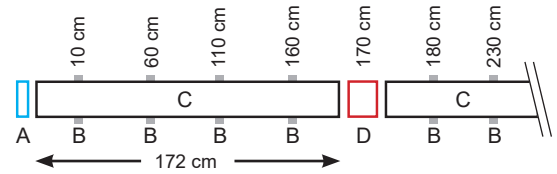


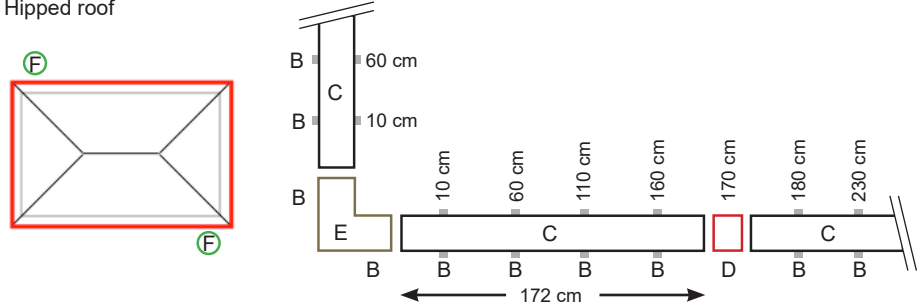
SCHEMATIC INSTALLATION EXAMPLES

A = Stopend
B = Fascia bracket
C = Gutter
D = Union bracket
E = Gutter angle
F = Running outlet

Shed roof & Gabled roof



Hipped roof



INSTALLATION INSTRUCTIONS

- Place the gutter (before cutting to size) with the attachments on the floor. Locate the position for the running outlets, union brackets (and gutter angles).
 - Thoroughly clean the parts that need gluing and make sure they are dry.
 - Cut the gutters to the required size with a fine-toothed saw. Deburr rough edges with a knife or abrasive paper.
- Determine the roof pitch of the fascia board to which the gutter is fitted. For houses with angled fascias the enclosed correction pieces (10°-20° or turned around 25°-35°) should be used.
 - Place the fascia bracket in the angled fascia bracket adaptor and screw both parts on the fascia board with the attached screws. If you're not using the angled fascia bracket adaptors, then fit the fascia bracket directly on the fascia board.
 - Screw the first fascia bracket to the end of the fascia board. Then screw the second bracket to the other end of the fascia board. Please note the difference in height; at least 2,5 mm per meter to ensure proper water drainage. The lowest point is the side where the running outlet is fitted. Alternatively you can use a string line between the two outer fascia brackets to determine the height of the intermediate fascia brackets. Divide the gutter brackets (B) as shown in the schematic illustration on the left. Space the brackets at a maximum of 50 cm apart, with a distance of approx 10 cm from any union bracket and stopend. First lay the gutter in the backside of the brackets. Pull the gutter down with the fingers whilst simultaneously pushing the bracket over the gutter with the thumbs.
 - If there is no fascia board available, you must use the metal top rafter brackets (optional).
 - We recommend fitting the PVC fascia bracket to the metal top rafter bracket first before fitting the hook on or below the roof. The fascia bracket can be adjusted to the correct height at a later stage with a fixing screw.
 - The union bracket connects two gutters. The union brackets GD16 and Extra100 come with a rubber strip and therefore don't require gluing. The BG70 requires gluing.
 - With gutter GD16 and Extra100: work from back to front. Place the gutter on the bracket at the rear site (at the 'Installation Position' mark) and then click the front side into the rounded edge. With gutter BG70: fill the seam with glue and place the bracket on the gutter. Don't fixate union brackets and running outlets on the fascia board, angled fascia bracket adaptor or top rafter bracket. In case gutter angles are required, these can be clamped or glued in the same way as the union brackets and place both running outlets (F) on two opposite roof sides. See schematic illustration above.
 - Fill the seam with glue and place the stopend on the gutter (or in the gutter in case of the Extra100 gutter). Avoid trapping the gutter between for example bargeboards; it is important to allow enough room for expansion.
 - Attach the dripping strip to the roof with staples or nails making sure that it is overlapped by the roof covering and no water can flow between the roof and gutter.
 - In case of overhang the round downpipe will be attached to the exterior wall with two offset bends and a piece of pipe (to be cut to size). The arrow on the offset bend indicates the water flow.
 - Screw the pipe clips to the exterior wall before fitting the round downpipe. Fit the first pipe clip approx. 20 cm below the lowest offset bend, followed by the second pipe clip at approx. 25 cm above ground.
 - If everything is properly in place, the parts can be glued together (if necessary).
 - If the round downpipe can't be connected to the sewage, fit and glue an offset bend just above ground to reduce water or mud spray.
 - Optional: Apply a considerable amount of PVC glue around the outlet hole and place the 'leaf guard' over the hole to prevent dirt from entering the round downpipe.

Please note, for proper (and quick) water drainage of your guttering it is essential to regularly remove dirt and leaves from the 'leaf guard'.

