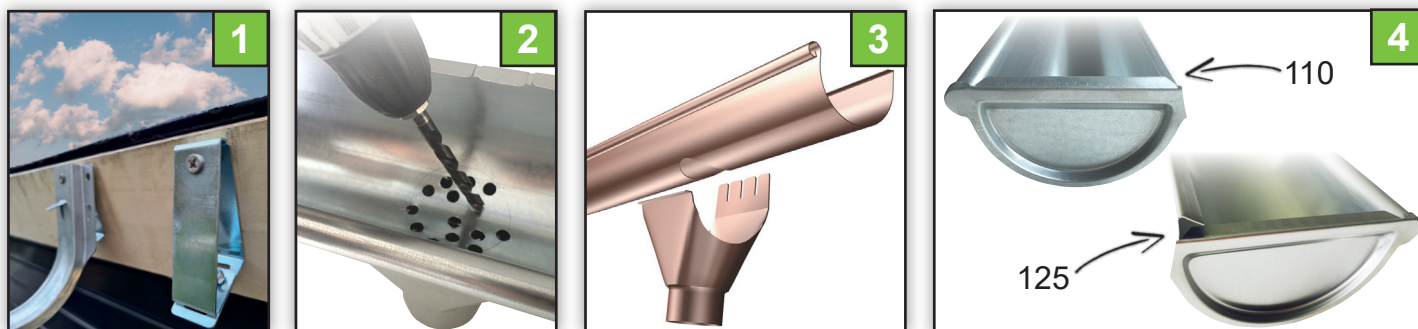


QUESTIONS?

Do you need advice, or do you have any questions with regard to the installation of your gutter? Please visit our website and contact us! We will happily assist you!



- Please make sure to read all the installation instructions before you start assembling. During installation use gloves for protection.
- Place the guttering and the accessories on the floor and locate the position for the running outlets, union brackets and gutter angles (if required).
- Gutters and round downpipes can be cut to size with a hacksaw and/or tinman's snip.
- If no fascia board is present, please install this first before you start assembling the gutter kit, or use the optional top rafter brackets.

- Fascia board:** if your vertical fascia board is perpendicular, the fascia brackets (B) can be installed directly on the fascia board. If you have a sloping fascia board, then the adaptive triangle (image 1) will be used.
- Adaptive triangles:** the adaptive triangles (B1) can be fixed on 10°, 20°, 30° and 40° (basic position is 20°) and facilitate the gutter to be installed correctly and straight. The installation to the correct angle can be done easily with a butterfly nut. Set all the adaptive triangles to the right degree of angle before installation. Fit the first screw through the top hole of the fascia bracket *and* the round hole of the adaptive triangle. The other 3 screws must be fitted through the fascia bracket only. Do not fix the screws too firmly to prevent deformation of the adaptive triangle.
- Top rafter brackets (optional):** if there is no fascia board, the optional top rafter brackets (B2) should be used. These top rafter brackets can be fitted to *or* under the roof covering.
- Fascia brackets:** 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 1 to 2 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 front. Space the brackets at a maximum of 50 cm apart, with a maximum distance of 10 cm from any union bracket and stopend.
- Running outlet:** after fitting the fascia brackets, place the gutter (first the tab at the rear, then the rounded edge on the front) on the brackets to mark the outlet position in the gutter. Only mark the circle above the round downpipe where you'll be drilling a sufficient number of holes with a small metal drill in order to direct the water flow to the round downpipe (as quickly as possible), and to prevent leaves and other dirt from entering your downpipe. See Image 2. If you choose to use a hacksaw or hole saw to saw and remove the entire hole (don't use an angle grinder!), we recommend using a leaf guard to prevent leaves from clogging your round downpipe. Now you can fit the running outlet to the gutter. Click the low side of the running outlet into the gutter and bend the tabs to hold the gutter in place. See image 3. In case of a hipped roof: place both running outlets (F) on two opposite roof sides. See schematic illustration on the front.
- Stopends:** Place the rounded edge of the gutter into the stopend and then place the gutter into the stopend slot. Model 110: from the gutter, the tab at the rear fits *in* the stopend. Model 125: from the gutter, the tab at the rear sticks *above* the stopend. *Carefully* press down on the stopend. *Caution: Do not use a hammer.* This may cause damage to the stopend, which could result in leakage. Often you will have to remove the small tab at the rear. See image 4.
- Connect gutter sections/ gutter angles:** use the union brackets to connect the gutter sections. These brackets have rubber strips to ensure water tightness and can be easily clamped around the gutter sections. Clamp the bracket around two gutter sections (or one gutter section and one gutter angle). Then bend the clip to secure the bracket. See image 5. Space the two gutter sections 5 mm apart, taking into account changes in temperature. Follow the same procedure to connect the gutter to a gutter angle.
- Dripping strips:** staple or hammer the dripping strips below the roof covering in such a way the strips hang in the gutter and no rainwater can enter between roof and gutter. See image 6.
- Offset bends:** in case of overhang, the round downpipe is attached to the exterior wall with two offset bends and if needed, with a piece of round down pipe (to be cut to size). Screw the pipe clips to the exterior wall before fitting the round down pipe (image 7). Fit the upper pipe clip approx. 15 cm below the lowest offset bend, followed by the second pipe clip at approx. 200 cm below the first pipe clip. See image 8. If the round down pipe cannot be connected to the sewage, fit an offset bend just above the ground to reduce water or mud spray.

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