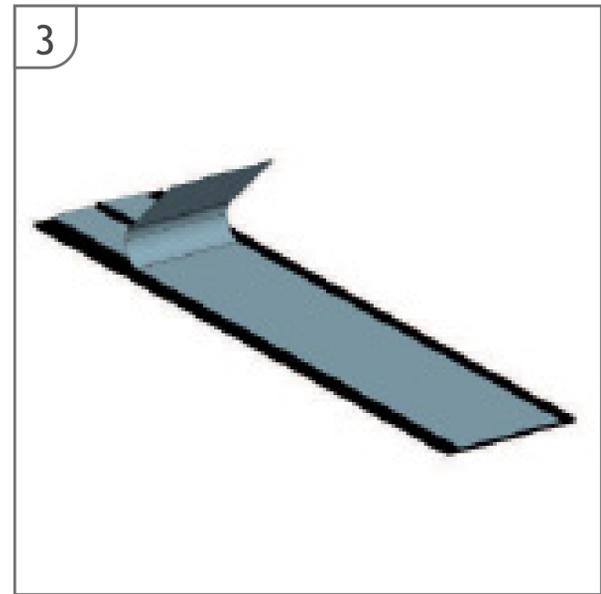
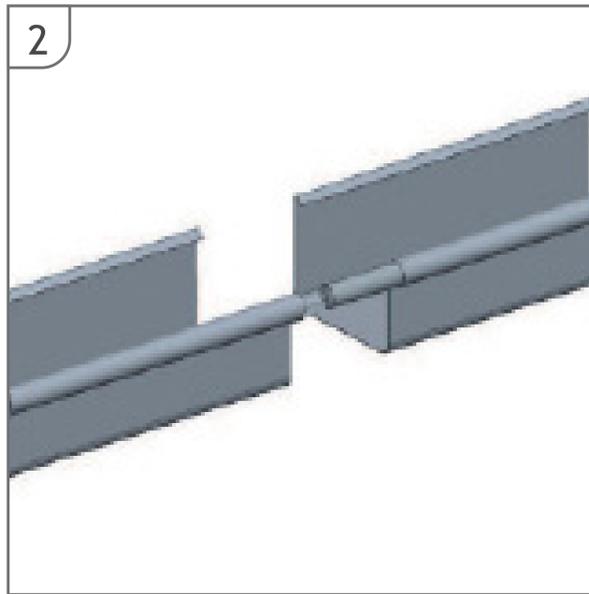
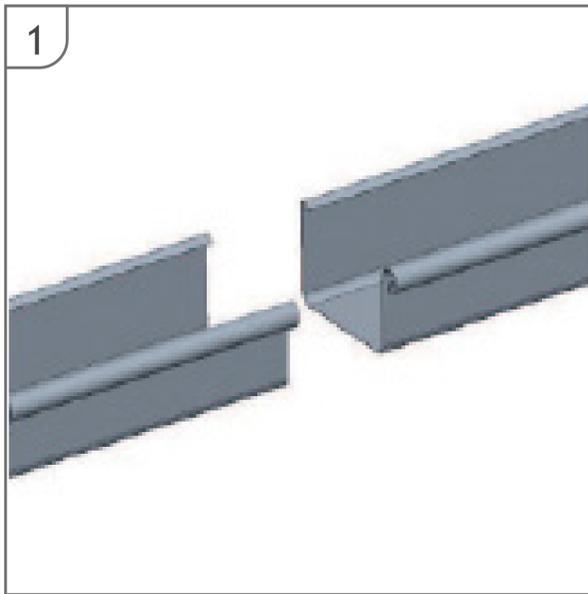


Box Gutter Installation Guides

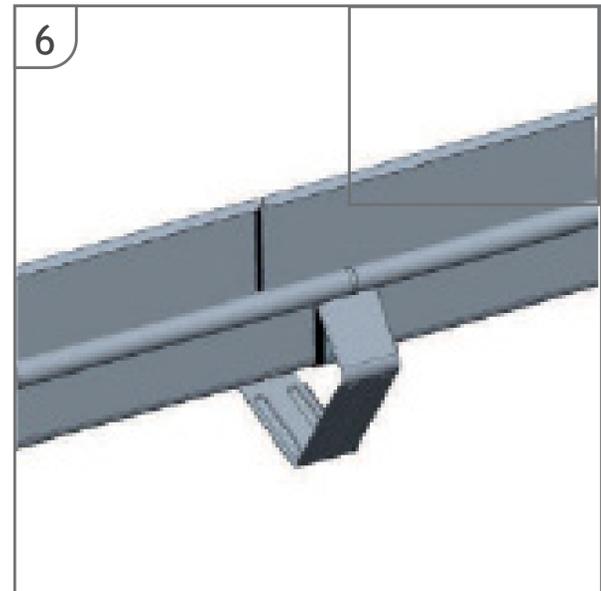
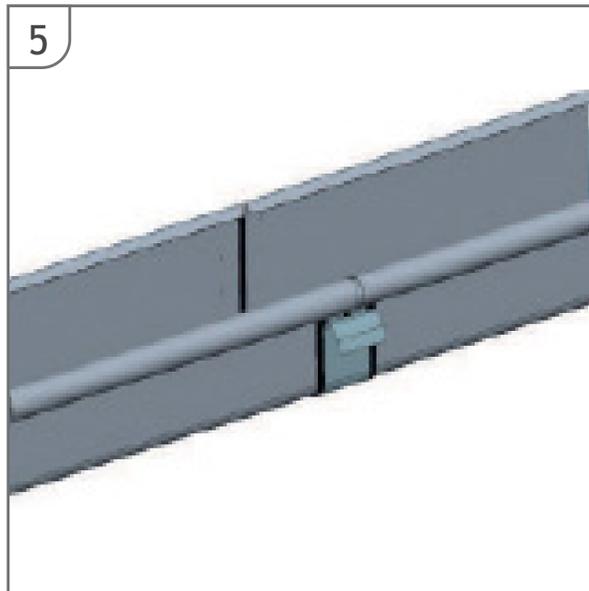
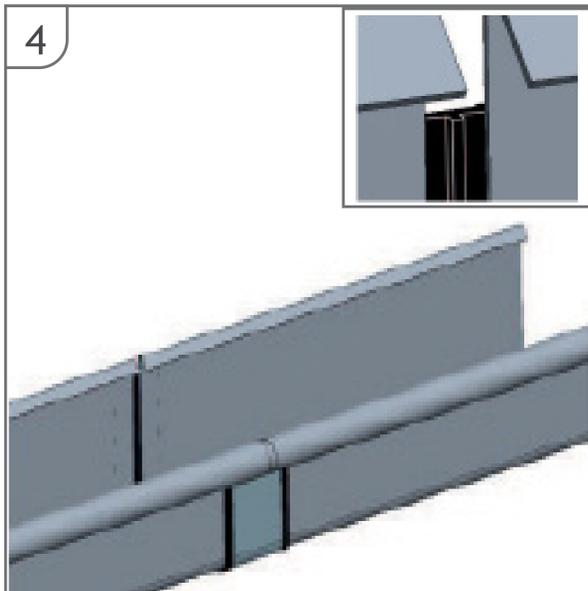
The gutter range can be connected to the steel pipework system and secured by standard pipe clips. The assembly and installation must be considered individually depending on the project, although general aspects of preparation are common to all as shown below.



- Clean the outer surfaces at the edges of both the lengths of gutter to be joined with a suitable cleaning agent (And if lengths have been cut down, deburr the ends).

- Insert the bead connector halfway into the front 'bead/rolls' of both gutters, leaving an approx. 5 mm gap between the ends of the two gutter lengths.

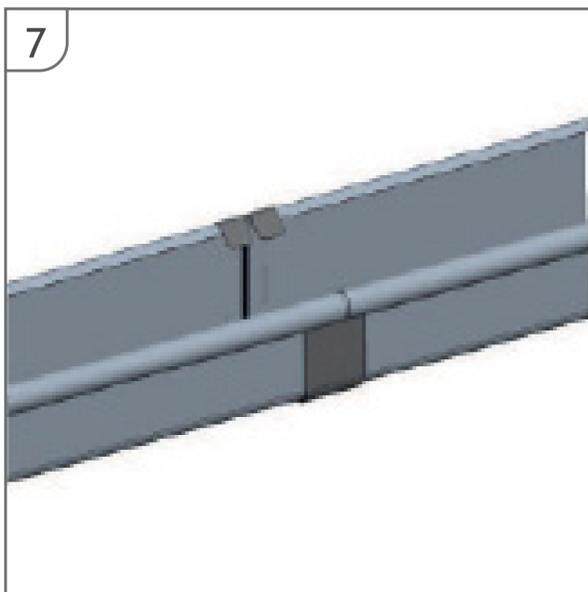
- Remove the protection film from the adhesive surface (on ridged side) of the rubber sealing strip.



- Attach the sealing strip over both ends of the gutters, starting at the 'bead/roll' at the front edge. Keep a slight tension on the strip to stretch round to the back while also smoothing/pressing down for a good bond.

- Remove the remaining protection film from the rubber sealing strip's final adhesive surface.

- Attaching the box gutter connector: Hook the connector onto the bead at the front first, then pressing onto the adhesive surfaces of the seal throughout, wrap it around the gutter lengths over the joint to the back.



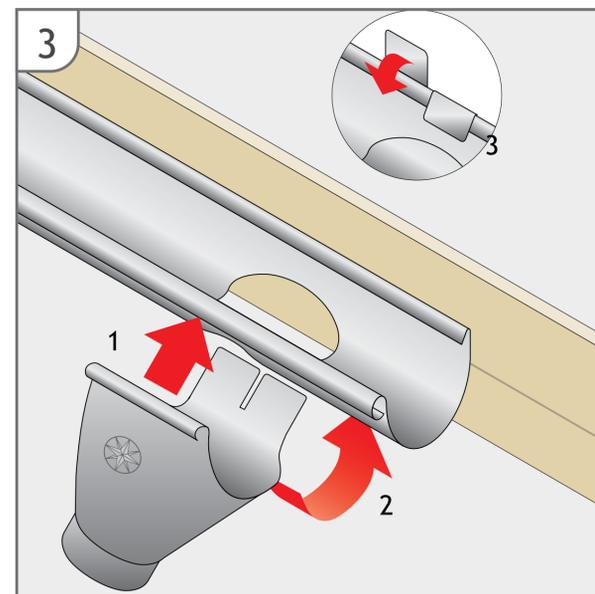
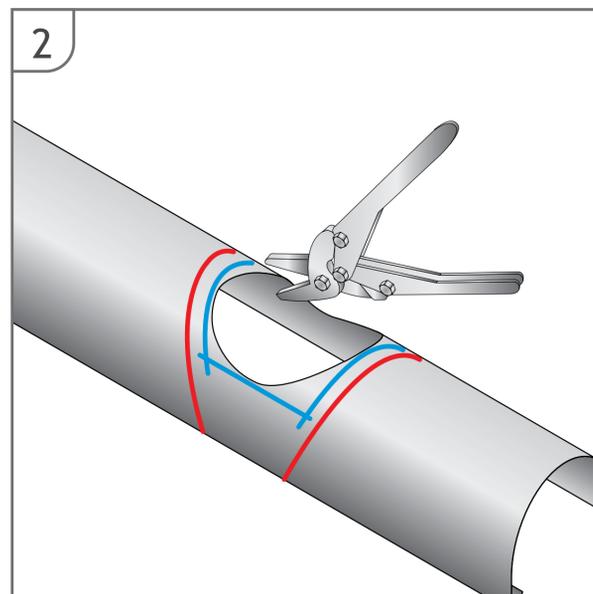
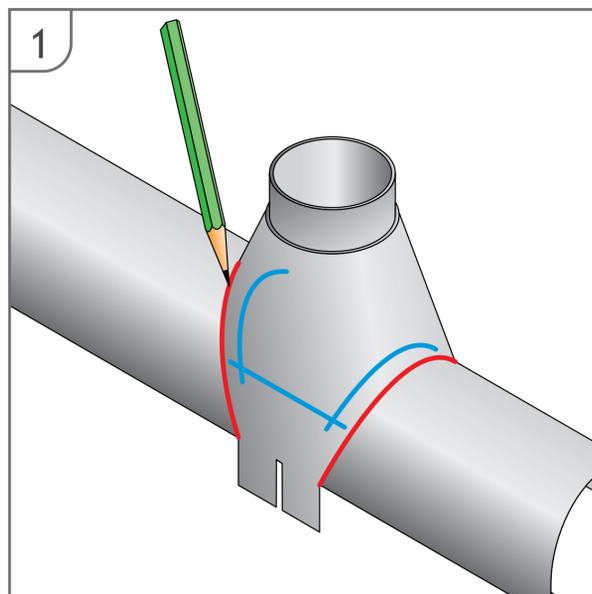
- Finally fold the flaps at the back of the connector over the rear fold of the gutter lengths.

Important information

- The end/last fascia bracket on the gutter run should be placed 30 cm from the gutter end or corner. (Brackets at 915mm centres). Gutter angles are supported by two unions and don't require their own fascia bracket.
- Wear gloves when installing Plain Galv Steel: The Plain Galv will dull over time. Touching it without gloves breaks through the oily surface and starts the weathering process earlier in those areas. In a few months the 'weathering' will catch up all over.
- Try to keep pressing down on the entire surface of the rubber seal (as much as possible) throughout to encourage a good bond over the entire length of each seal.

Circular Downpipe Installation Guide

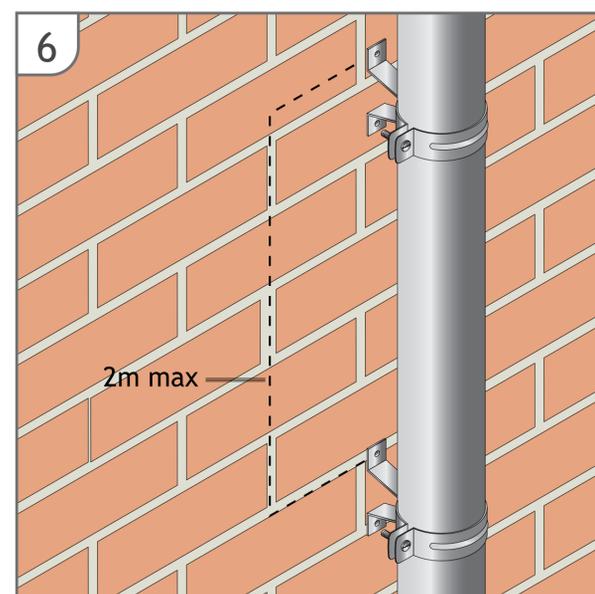
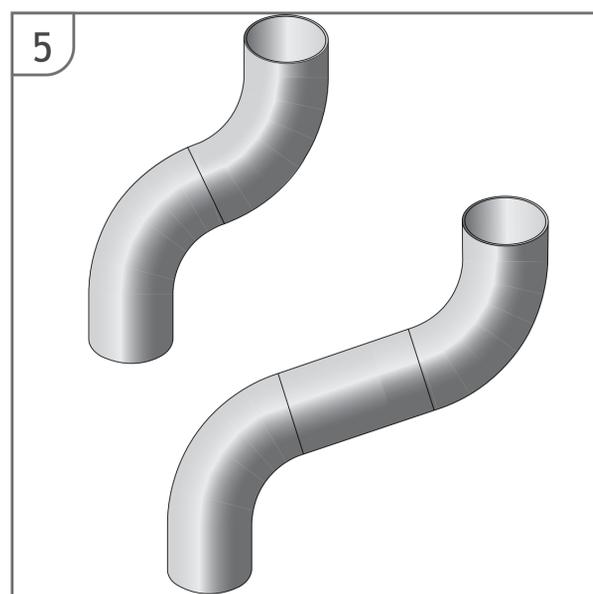
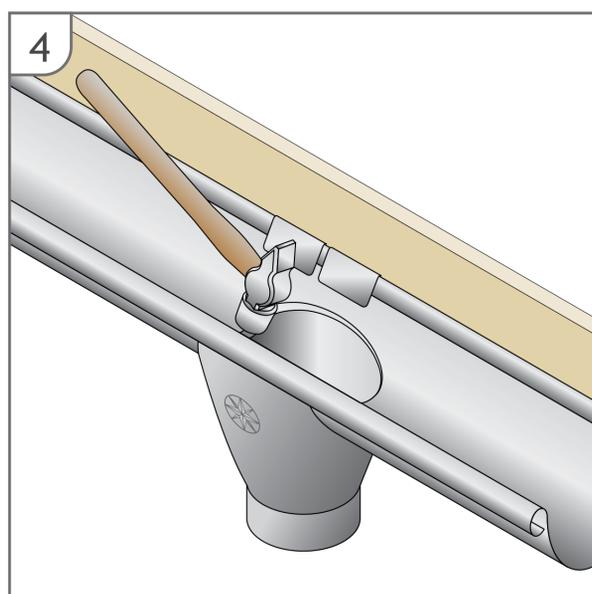
The downpipes and offsets are push-fit with 'swaged' ends, again for fast and watertight installation. The assembly and installation must be considered individually depending on the project, although general aspects of preparation are common to all as shown below.



- When installing a 'wrap around outlet' mark the desired location of the outlet by drawing a line either side of the outlet along its edge. Draw a further line 20mm inside of the outer lines and join these inner lines together in an oval pattern. This becomes the marking for the cut out hole.

- Use a hacksaw to make an initial hole in the gutter, and then use a set of tin snips to cut out the inner hole that you have marked out.

- Attach the outlet to the gutter and fold the rear tabs of the outlet over the rear edge of the gutter, making sure the outlet is aligned correctly to accept the downpipe.



- Tap the inner rough edges of the hole that was cut in the gutter, down into the outlet, to ensure a smooth flow of water.

- Offsets are achieved using 2/no 70° bends, with larger offsets being made by inserting a pipe length between the two bends.

- Downpipes should be installed using at least 2/no pipe clips per length. Mark out the clips locations and level with a spirit level or plumb line. Open the tightening screw to allow the pipe to be inserted, close the clip and re-tighten, making sure not to over tighten and damage the downpipe.

Important information

- The end/last fascia bracket on the gutter run should be placed 30 cm from the gutter end or corner. (Brackets at 915mm centres). Gutter angles are supported by two unions and don't require their own fascia bracket.
- Wear gloves when installing Plain Galv Steel: The Plain Galv will dull over time. Touching it without gloves breaks through the oily surface and starts the weathering process earlier in those areas. In a few months the 'weathering' will catch up all over.
- Try to keep pressing down on the entire surface of the rubber seal (as much as possible) throughout to encourage a good bond over the entire length of each seal.
- N.B. NEVER CUT WITH A SPINNING BLADE - zinc fumes released when galv steel is heated are toxic

For further information contact the Rainwater Technical Team on 0330 2231731