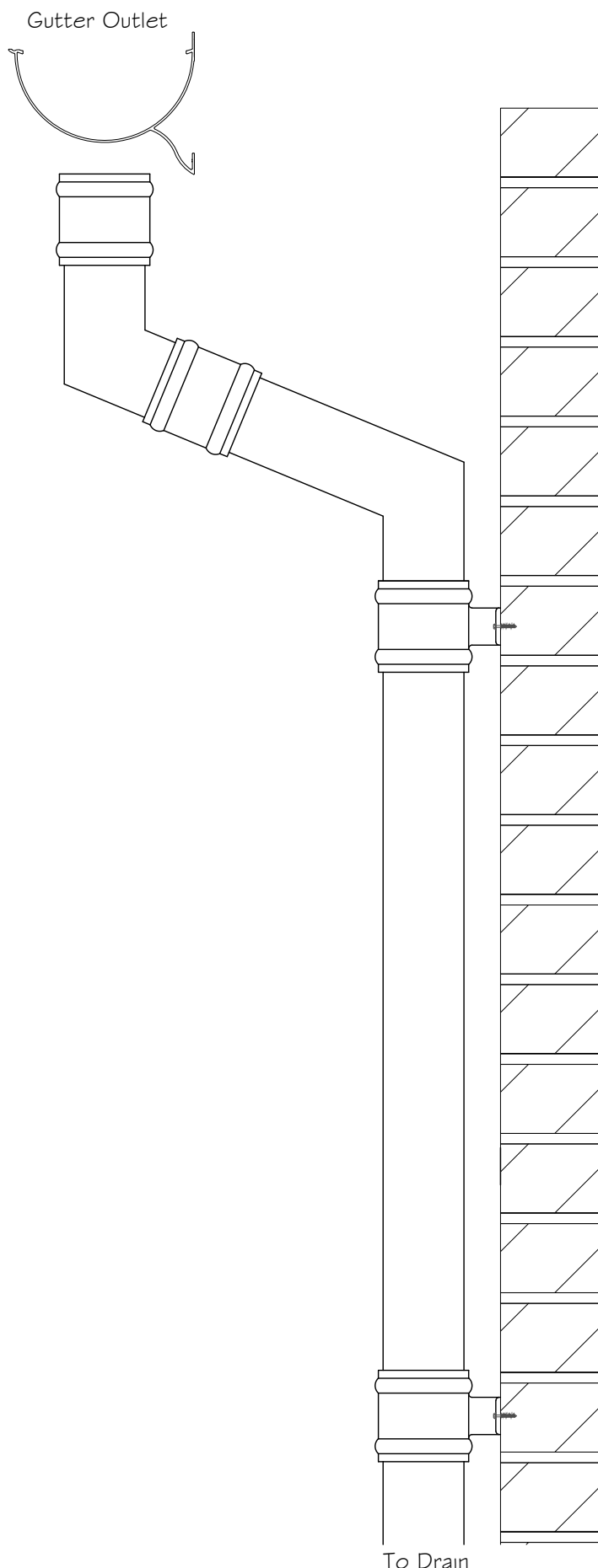


Installation Guide: Retro Pipe



1. Outlet Connection

Method 1: Position gutter or hopper outlets directly in line with the underground drain connection.

Method 2: Trim the bottom bend of the two-part adjustable offset/swan neck to achieve proper alignment with the pipe connection below.

2. Jointing

Each Pipe and fitting is supplied with a female to male cast eared / un-eared socket.

It is a matter of preference whether this is sealed. Lightly smear the end of each component with silicone. The socket then slides over the pipe above and sits inside the pipe below.

3. Pipe Clips

Fixing using the Small Base Clip:

The 'T' base should be fixed to the wall using No. 10x50mm zinc plated or stainless steel twin threaded screws with washers, fixing into wall plugs. The pipe clip is then bolted to the 'T' base using the M6x25mm stainless steel bolts, nuts and washers provided.

Fixing using the Extension Base Clip:

The Extension base should be fixed to the wall using No. 10x50mm zinc plated or stainless steel twin threaded screws with washers, fixing into wall plugs. The Extension Base should then be cut down to the desired Stand-off by using a hacksaw with a suitable aluminium cutting blade and the cut end de-burred. A 6mm hole should then be drilled into the extension base using a suitable metal drill. The pipe clip is then bolted to the Extension base using the M6x25mm stainless steel bolts, nuts and washers provided.

Fixing using the Eared cast socket:

The Eared socket should be first joined to each pipe as stated in section 2. The eared socket should then be fixed to the wall using No. 12x50mm zinc plated or stainless steel twin threaded screws with washers, fixing into wall plugs.

Fixings should be no greater than 2,000mm centres.

4. Shoes

To terminate the pipe with a shoe for discharge over an open gully, position the shoe so that the outlet socket is 20mm above the gully grating, ensuring adequate access. Secure the shoe in place by attaching a pipe clip over the pipe joint, using Austenitic stainless steel screws and the appropriate wall plugs.

5. Access pipes

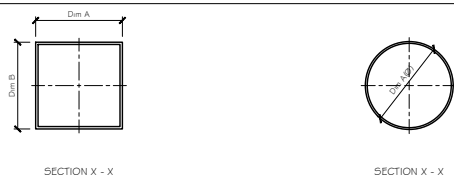
When connecting a rainwater pipe directly to an underground drainpipe, it is recommended to fit an access/rodding plate within 500mm of ground level. Position the access cover pipe, ensuring the EPDM rubber seal is properly seated over the hole. Secure the plate using the bolts supplied.

General Installation Guidance

Jointing

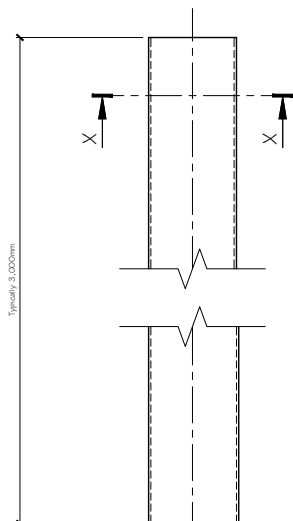
Silicone jointing must not be performed during wet weather or when temperatures are below 5°C or above 35°C. As aluminium conducts both heat and cold, its temperatures can fluctuate beyond the ambient outdoor temperature. Ensure all jointing surfaces are clean and completely dry before applying the sealant. Always verify the tube's 'Use By Date' prior to use. The recommended joint sealant, is a high-performance, low-modulus pure silicone specifically designed and tested for gutter applications. Using any alternative sealant may lead to premature joint failure.

Installation Guide: *Standard Retro Pipe Jointing components*

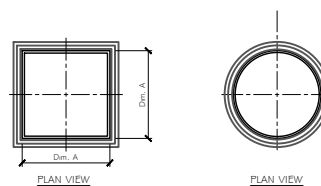


SECTION X - X

SECTION X - X

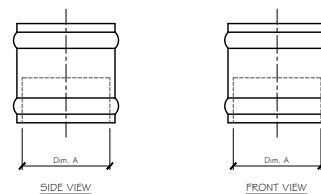


Retro Pipe Round & Square



PLAN VIEW

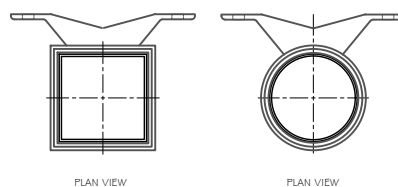
PLAN VIEW



SIDE VIEW

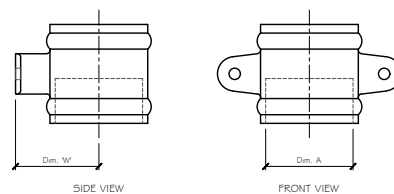
FRONT VIEW

Retro Pipe Round & Square unearled Cast socket



PLAN VIEW

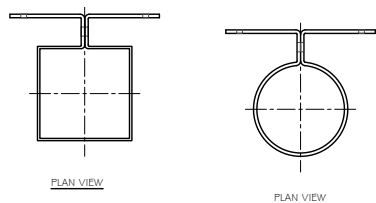
PLAN VIEW



SIDE VIEW

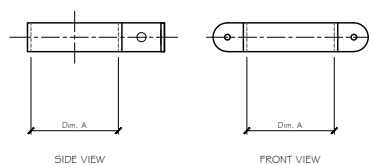
FRONT VIEW

Retro Pipe Round & Square eared Cast socket



PLAN VIEW

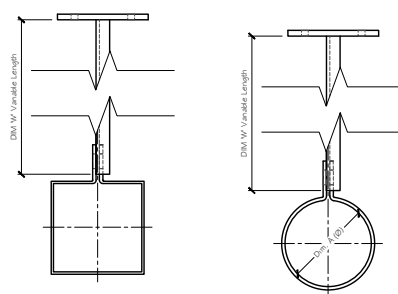
PLAN VIEW



SIDE VIEW

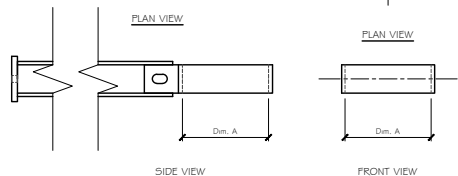
FRONT VIEW

Retro Pipe Round & Square Small Base Clip



PLAN VIEW

PLAN VIEW



SIDE VIEW

FRONT VIEW

Retro Pipe Round & Square Extension Base Clip

All Dimensions can be found in the guttermaster specifier and user guide