

INSTALLATION DEMONSTRATION



1. Cut the pipe square and straight with the Buteline pipe cutter.



2. Insert the pipe into the fitting. Ensure you push the pipe all the way (15mm) into the shoulder of the fitting.



3. *Clamp-Hold-Release*
Clamp approximately 2mm in from the end of the fitting, close the tool handles completely to the stops provided, and hold firmly for around 2 seconds then release.



4. The process of installing the system is clean and quick, leaving a watertight mechanical joint.

BENEFITS OF USING BUTELINE



BUTELINE™

PLUMBING SYSTEM

Compliance Guidelines for a Secure Installation



Voted Top Product of 2010 & 2011 by readers of PHPI Magazine

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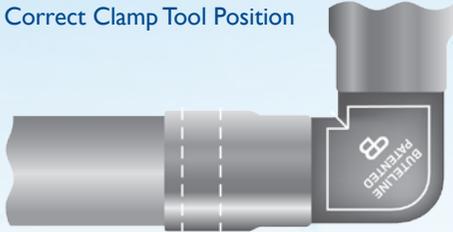
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GUIDELINES FOR CLAMPING BUTELINE FITTINGS

- ✓ Clamp Buteline fittings approximately 2-5mm in from the end of the clamp ring. Close the tool handles completely and hold firmly for around 2 seconds, then release.

Correct Clamp Tool Position



2-5mm from end of clamp ring

- ✓ Always ensure that the pipe is cut squarely with an approved plastic pipe cutter and is fully inserted into the fitting.
- ✓ A good clamp will produce a flare at the end of the clamp ring. Do not clamp the fitting on an angle, always clamp at 90° square to the fitting.
- ✓ When installing fittings into floor screed, wrap the clamp ring with electrical PVC tape or Denso tape.

Wrapped Buteline Fitting



- ✓ When using the ProClamp tools, regularly check the clamped fitting with the supplied gauge. Should the gauge not fit over the clamped joint you will need to calibrate your tool. Please refer to our Plumbing & Heating Installation Manual
- ✓ Avoid using liquid thread sealer compounds on Buteline polymer threaded fittings, use PTFE tape. Do not overtighten as the threads are tapered and will tighten with less turns compared to male parallel threads.

BUTELINE PIPE

- ✓ Keep your pipe clean and free from dirt and chemicals, store it in a secure dry environment which is not exposed to UV rays.
- ✓ Use a pipe sleeve when burying Buteline pipe in concrete.
- ✓ Ensure a minimum of 150mm between fittings so that expansion can take place.
- ✓ Insert the pipe into the required fitting. Ensure you have pushed your pipe right into the shoulder of the fitting (approx 15mm).
- ✓ To ensure long term durability, the Buteline System should not be exposed to temperatures in excess of 82°C. To ensure this, all boiler thermostats should be set to a maximum of 70°C.



Watch our videos on the Buteline channel for more information:

<http://youtube.com/ButelineNZ>



- Demonstrating the Strength of the Buteline Pipe Joint: <http://tinyurl.com/Bute-Strength>
- How to Test Your BFR Clamp Tool: <http://tinyurl.com/FRTool>

BUTE TOOLING

- ✓ Keep your tool free from dirt and moisture. With the traditional BFR tools use WD40 or similar to ensure you get the best performance from your tool – simply spray and lubricate moving parts every few months.
- ✓ With extensive use over a prolonged time (10+ years), the BFR series tools may eventually need replacing.
- ✓ The new ProClamp tools are a perfect alternative for using in hard-to-get-to places, or if you simply prefer a smaller tool. Be sure to keep this tool clean and lubricated. As this tool is adjustable, have your gauge on hand to check the full clamp width has been achieved.

PROCLAMP TOOL ADJUSTMENT



1. Identify the position of the adjuster cam by locating the dot on the hexagonal end of the cam.



2. Turn the tool over and remove the circlip securing the adjuster cam.



3. Retain the circlip for replacement after adjustment.



4. Push the adjuster cam out from the circlip side until the hexagonal head of the cam disengages from the handle, and turn the cam anticlockwise, so that it is moved around 1 flat of the hexagon.

5. Push the hexagonal head of the cam back into the handle and replace the circlip to retain the adjuster cam.

NOTE: The maximum adjustment is achieved when the adjusting cam is rotated 180°.