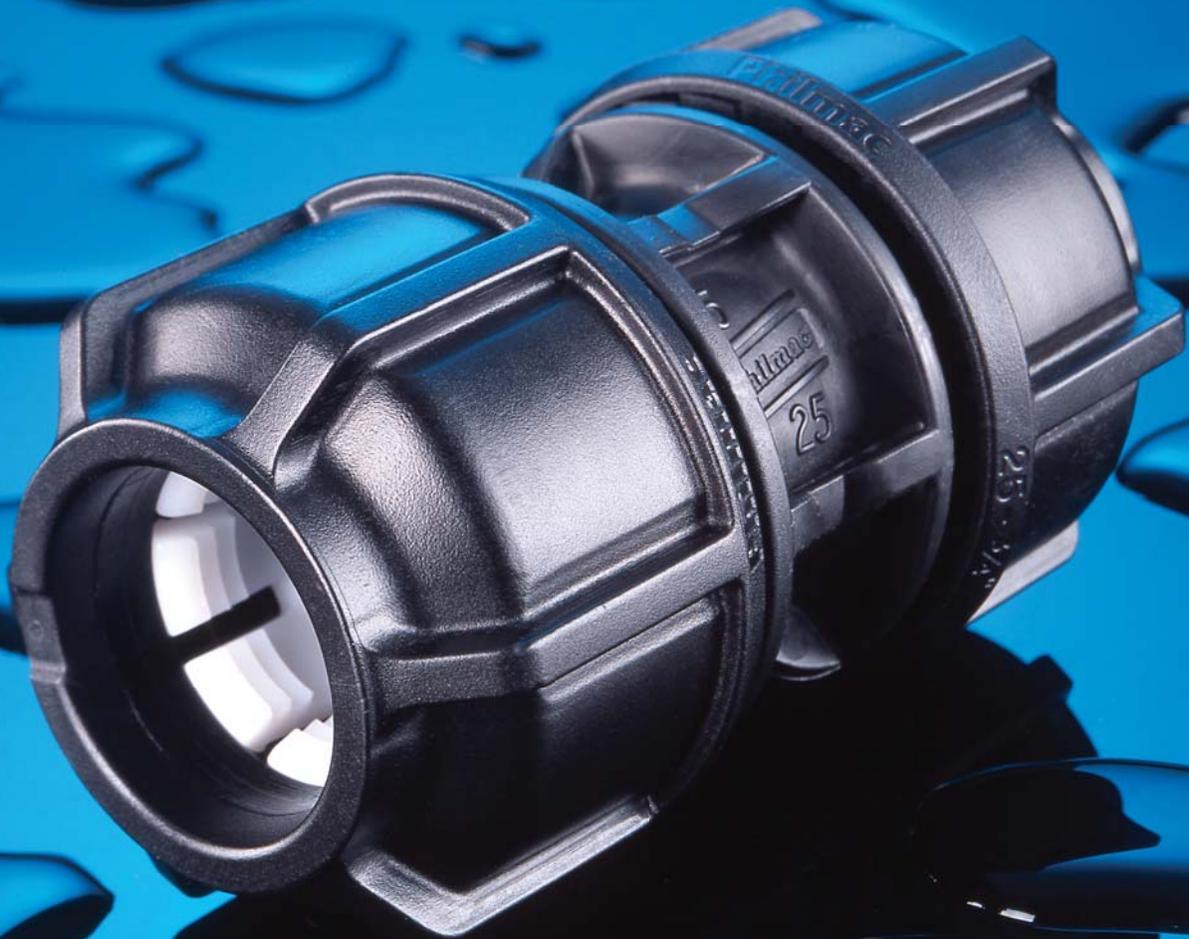


The Universal Polyethylene Pipe Fitting.



INTRODUCTION

Philmac, the global leader in the design and manufacture of plastic compression fittings, is proud to release the most innovative and revolutionary product of its kind.

Philmac Metric/Imperial™ is the truly universal polyethylene pipe fitting. The culmination of years of exhaustive research and development, utilisation of cutting-edge manufacturing technology and stringent testing, this new range of premium products could well be the biggest breakthrough in water transfer technology where both metric and imperial pipes are in use. Its universal application means this is the only fitting you need carry, reducing costs and streamlining inventory.

Designed to make the job at hand so much easier, the Philmac Metric/Imperial™ plastic compression fitting is the product of Philmac's unrelenting commitment to continuous improvement and a culture based on innovation and ingenuity.



BENEFITS

Flexibility

• **The Metric & Imperial connection:** The Philmac Metric/Imperial™ compression fitting is a revolutionary step forward for PE pipe jointing. Connections can now be made to both Metric (BS6572/BS6730) and Imperial PE pipe (BS1972/3284 and IRS 135 Heavy Gauge) from the one fitting from either end. And, the innovative design means that inserts are no longer required to connect imperial pipe.

Removing the need for dedicated fittings and inserts, Metric/Imperial™ provides the ultimate in flexibility, reducing both inventory and complexity.

Complete security

• **Dynamic sealing method:** The mechanical advantage of the nut thread compresses the seal into position, eliminating resistance when inserting the pipe into the fitting so there is no risk of seal distortion or displacement.

• **No loose components:** If the nut is removed there is no danger of losing components, as the collet and seal ring are retained in the body of the fitting. Losing components in the trench becomes a thing of the past.

• **Designed to minimise pipe twist:** The fitting has been designed to minimise pipe twist as the nut is tightened. Maximum pipe twist is approximately a quarter turn compared to one and a half turns with many other fittings. Pipe twist can impact on not only the connection you have just made but also on the connection at the other end of the line.

• **Approvals:** Philmac fittings are WRAS approved for above and below ground use.

Fast and easy installation

• **Slide & Tighten™ technology:** Metric/Imperial™ incorporates all the benefits of Philmac's unique Slide & Tighten™ technology. No pipe preparation is needed and no force is required to push the pipe past the seal, so installation couldn't be faster or easier. Simply insert the pipe fully into the fitting and then tighten the nut. Assembly is so easy you can even do it under live conditions. No special tools are required, and there is no need to disassemble the fitting before use because the Metric/Imperial™ compression fitting is supplied pre-assembled and ready to use.

• **Compact Design:** The size of the new Philmac Metric/Imperial™ compression fitting has been kept to a minimum, making the fitting ideal to use in confined areas. In addition to making connections with minimal turns of the nut, the design and size of the fitting means that in installations taking place between pipe with two fixed points, the manipulation of the pipe into the fitting becomes easy.

• **Easy disassembly:** The fitting has been designed so the split collet is released as soon as the nut is backed off, making disassembly easy.

High performance

• **Made from advanced thermoplastic materials:** Metric/Imperial™ is manufactured from lightweight high performance thermoplastic materials with outstanding impact, UV, chemical and corrosion resistance. The material is non-toxic and taint-free.

• **Rated to 1600 kpa:** Metric/Imperial™ is pressure rated to 1600 kpa (PN16) to meet the needs of high pressure systems.

• **50 year+ design life:** Built to withstand the toughest conditions to ensure longevity and durability, Metric/Imperial™ has a 50 year+ design life.

Complete coverage

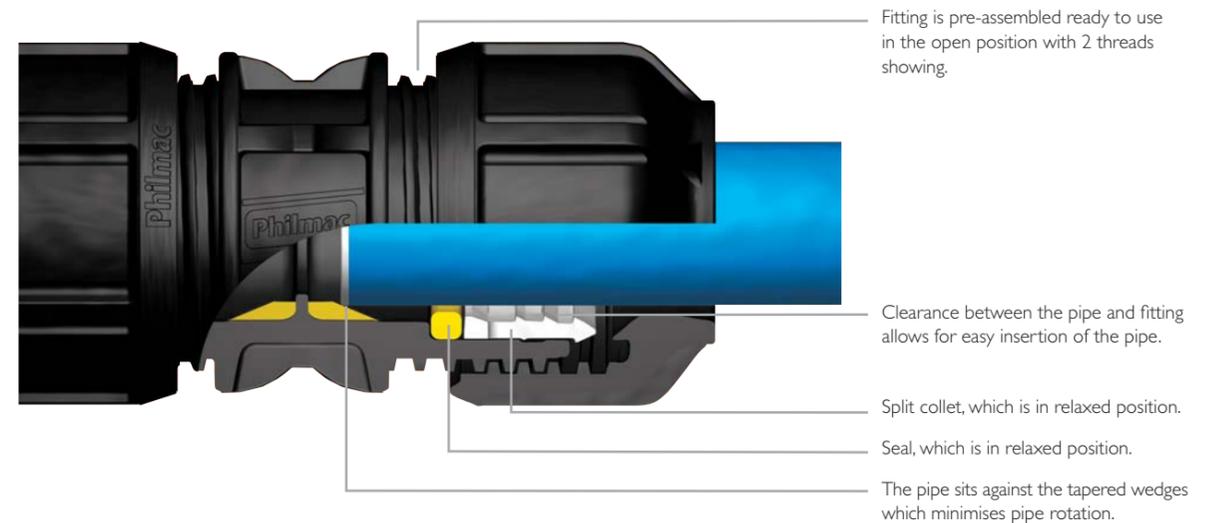
• **Wide range:** The new Philmac Metric/Imperial™ range is comprehensive: straight and reducing joiners, tees, elbows, end connectors and caps ranging from 20mm to 63mm. Also available are copper connection kits, normal gauge (IRS 134) connection kits, reducing kits and blanking plugs, ball valves, stopcocks, wall plate elbows and tank connectors.

• **Copper connection Kits:** Philmac's all new carborundum gripper design has been introduced into the Metric/Imperial™ copper connection kit. With no steel components in the gripping mechanism, there is absolutely no risk of electrolysis.

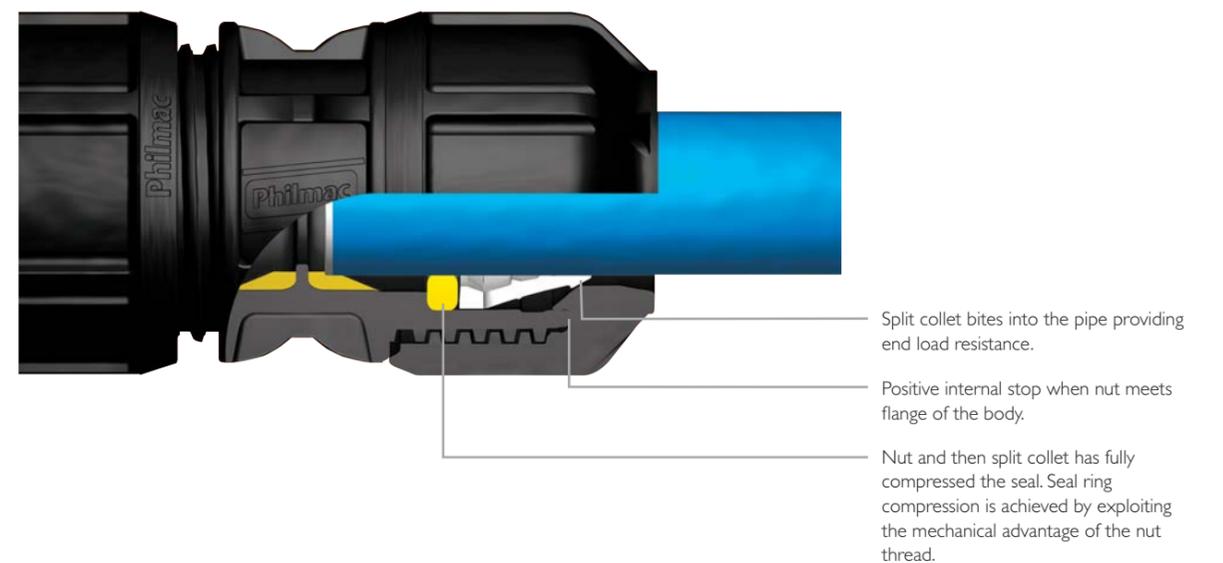


HOW IT WORKS

FULLY OPEN



FULLY CLOSED



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