

Connections that cover all your applications

3G Metric® Poly to Copper is adaptable to many situations. If you've got tricky connection simply find the suitable 3G Metric® fitting and then convert it to copper using the Philmac Poly to Copper kit.



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Philmac

The connection you can trust.

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3G Metric Poly to Copper

YOU CAN'T BEAT THE ORIGINAL

The perfect solution for connecting poly to copper



The connection you can trust to join poly and copper

Philmac, the global leader in the design and manufacture of plastic compression fittings, is proud to release a new addition to the innovative 3G Metric® range.

3G Metric® Poly to Copper is the next generation in poly to copper connections. Incorporating all the benefits of the innovative 3G Metric® range including the patented Slide & Tighten® technology, which makes installation even easier and faster.





Benefits

Fast and Easy Installation

Slide & Tighten® Technology:

3G Metric® Copper incorporates all the benefits of Philmac's unique Slide & Tighten. technology. Simply slide the pipe into the seal until you hit the stop then tighten the nut to the flange. Minimal pipe preparation is required by simply removing any scale and burrs from the copper pipe. Installation couldn't be faster or easier.

Compact Design:

The size of the new Philmac 3G Metric® Copper 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 two fixed points, the manipulation of the pipe into the fitting becomes easy.

Complete Security

Dynamic Sealing Method:

The mechanical advantage of the nut thread compresses the seal into position. Also the 3G Metric® Copper connection uses the added benefit of stainless steel teeth to secure onto the copper pipe.

Visual Stop:

The flange on the body of Philmac's 3G Metric® Copper compression fitting provides a visual stop to indicate when the nut is fully tightened. This removes any uncertainty from the installation process.

High Performance Materials

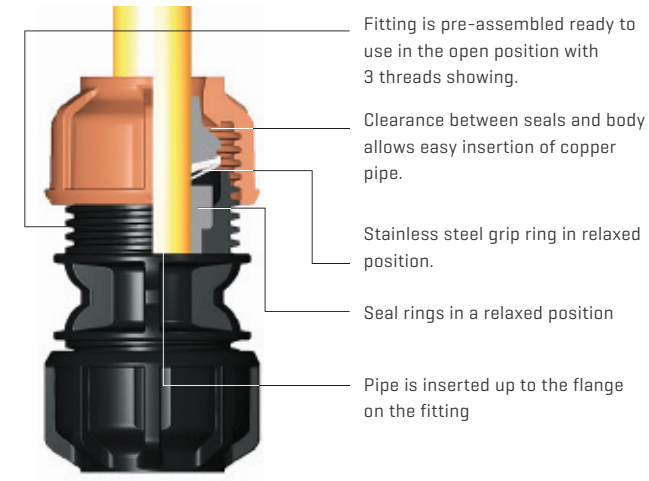
3G Metric® Copper is manufactured from lightweight high performance thermoplastic materials with outstanding impact, UV, chemical and corrosion resistance. The material is non-toxic and taint-free.

How it works

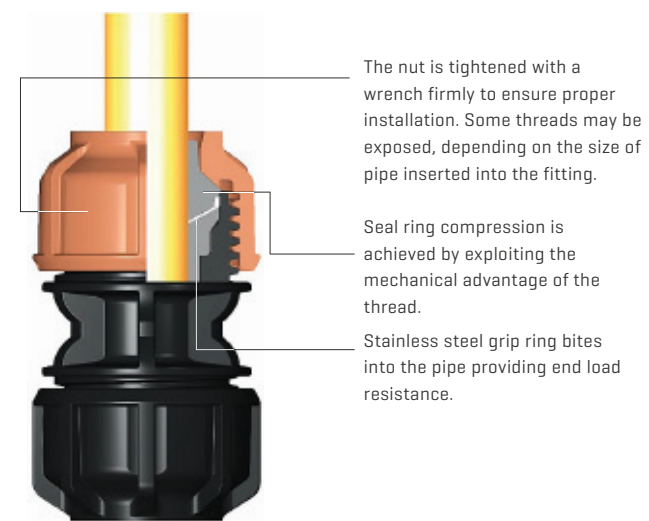
PRINCIPALS OF OPERATION - COMPRESSION FITTINGS



FULLY OPEN - 3G® END



FULLY CLOSED - 3G® END



Easy Installation



1. Cut pipe square. Ensure the pipe is free from sharp burrs. Chamfering or lubrication is not required.



2. The fitting is pre-assembled and ready to use.



3. Insert the pipe and push it past the O-ring.



4. Cut copper pipe square. The fitting is preassembled and ready to use. Mark the depth of copper using pipe stop marking or body flange as a visual indicator.



5. Insert the copper pipe and push past the rubber seal up to the mark indicated.



6. Tighten the nut by hand and finish using a wrench. Remember to check that the nut is tight against the body flange.



7. The nut should be tightened firmly with a wrench.

Benefits

Approvals

The Philmac 3G Metric Poly to Copper is Watermark and Australian StandardsMark™ approved.

Rated to 1600KPa

3G Metric® Copper 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, 3G Metric® Copper has a 50 year+ design life.

3G Metric® Copper

Is rated for cold water applications only.

Complete Coverage

The new 3G Metric® range includes straight joiners, tees and elbows pre-assembled. Connection kits are also available for joining 1/2" and 3/4" copper to 16mm to 32mm PE pipe.

