

The Swiss army knife of pipe fittings provides the ultimate connection you can trust

The Philmac UTC® (Universal Transition Coupling) is a unique range of mechanical compression fittings that provides the ultimate in pipe connection flexibility.

Without modification the same fitting connects to a variety of materials including PVC, copper, galvanised iron, ABS, lead, stainless steel and polyethelene. Each size fitting covers a range of pipe diameters providing a "Universal" solution.



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Philmac

The connection you can trust.

PHI1327-04/23



Join any pipe in a variety of sizes with the one fitting

Philmac, the global leader in the design and manufacture of plastic compression fittings that provide the ultimate in pipe connection flexibility.

The UTC® range is especially designed for connecting pipes that are made from a variety of different materials, such as polyethylene, galvanized iron, PVC, copper, ABS, lead and stainless steel.

In addition to winning an Australian Design Award in 1999 for innovation in product development, the UTC® has been embraced by globally water utilities including Australia, the UK, Europe and North America.

Universal Transition Coupling

The Problem Solver

The Swiss army knife of pipe fittings

Philmac

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Benefits

Complete Flexibility

Universal Design:

Through its wide tolerance, the Philmac UTC® is designed to accommodate a range of different diameters on most pipe material (including copper, PE, PVC, lead, steel, galvanized iron, ABS and stainless steel).

Fast and Easy Installation

Simply witness mark the pipe against the flange on the fitting, and then insert the pipe to the correct depth. The nut can then be tightened using a wrench. The UTC® is fully installed when the nut can no longer be tightened with reasonable force.

No special tool are required.

Easy disassembly

The design of the UTC® means that once the nut is backed off, the pipe can easily be removed from the fitting.

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.

**Pipes at the top end of the fitting tolerance may incur minimum resistance.*

High Performance Materials

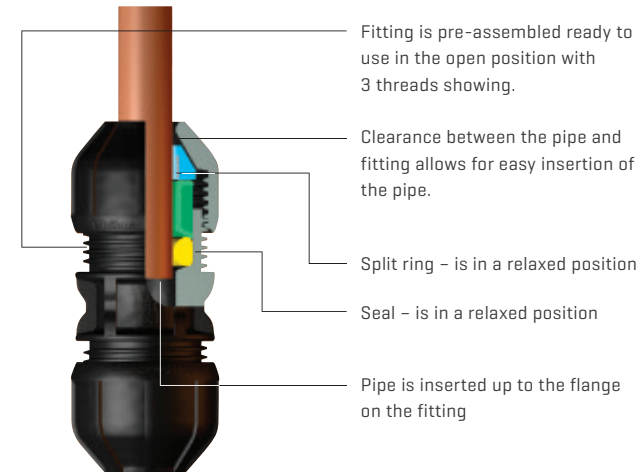
Made from advanced thermoplastic materials: The Philmac UTC is manufactured from lightweight high performance thermoplastic materials with outstanding impact, UV, chemical and corrosion resistance. The UTC® end contains hard stainless steel grippers which provide superior end load resistance.

How it works

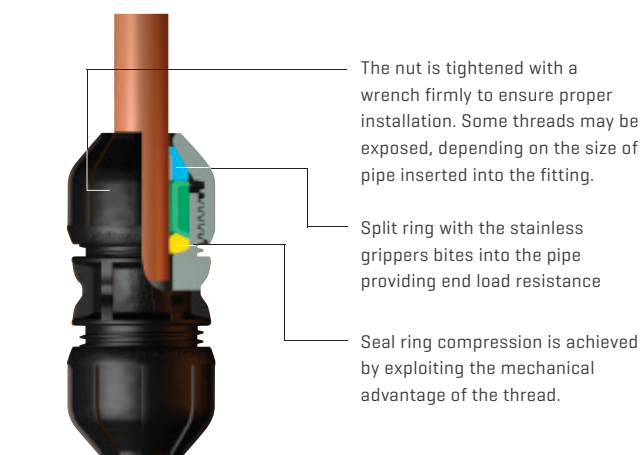
PRINCIPALS OF OPERATION - COMPRESSION FITTINGS



FULLY OPEN - UTC® END



FULLY CLOSED - UTC® END



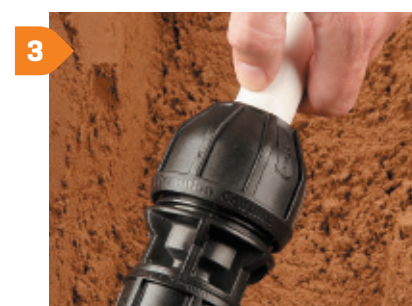
Easy Installation



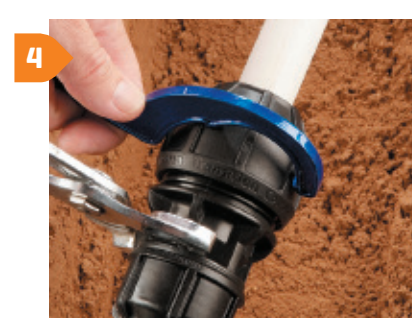
The fitting is pre-assembled and ready to use. Cut pipe square and to length using the flange on the central body as a guide. Ensure the end of connecting pipe is undamaged and clean.



To ensure adequate insertion depth, witness mark the pipe to the back of the flange.



Insert the pipe to the correct depth. Always ensure the nut is backed off and 3 threads are showing. Pipes at the top end of the fitting tolerance may require 5 threads showing.



Tighten nut firmly with a wrench. Nut will not butt against the body flange when the pipe size is at the top end of the fitting tolerance.

Complete Range

Approvals

The Philmac UTC® holds a number of approvals WaterMark [Australia]; WRAS [UK] for above and below ground use; ACS [France], CSA [Canada] and NSF [USA]. The fittings are also manufactured to the highest standards in accordance with the company's ISO 9001:2000 Quality Endorsed status.

Rated to 1250KPa [181 PSI, 12.5 Bar]

The Philmac UTC® is pressure rated to 1250KPa [12.5 bar] to meet the needs of high pressure systems.

50 year + design life

Built to withstand the toughest conditions to ensure longevity and durability, Philmac UTC® has a 50 year+ design life.

Complete Coverage

The Philmac UTC® range is comprehensive: Straight and reducing joiners, elbows, tees and male adapters, in both transition [PE to UTC®] and double ended versions [UTC® to UTC®] ranging from 15mm to 61mm.

