**Universal Transition Coupling**

With its universal design, the UTC® can join copper, lead, steel, galvanized steel, stainless steel, PVC, ABS, and even PE and PEX pipe.

All these configurations are serviced using only six different Universal Transition Couplings.

**WHAT UTC® FITTINGS REPLACE**

Conventionally, brass fittings are used to join dissimilar pipes—with each fitting designed specifically for a certain size and type of piping material.

To service this wide variety of configurations, a large number of brass fittings must be kept in stock. The UTC® line of fittings make the same number of connections with fewer fittings.

**Simplify Installation**

UTC® fittings feature no loose components and do not require pipe beveling or nut removal.

The UTC®’s “no stop”/repair configuration simplifies installation for most pipe sizes, even in confined spaces. Simply insert the pipe directly into the fitting and tighten the nuts. Special tools are not required.

**Ensure Peak Performance**

Rated 200psi @ 73°F and 150psi @ 100°F.

The UTC® is suitable for both above and below ground use.

Configurations include:

- “No stop”/Repair Couplings
- Reducer Couplings

Inquire for other configurations.

**Caution:** Philmac does not recommend or warrant the use of UTC® Compression Fittings “inside the building” or for “hot water” applications.

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**Distributed by Harco Fittings**

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http://www.harcofittings.com

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**Manufactured by**

Philmac

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**Listings**

NSF61 Approved and Listed
CONNECTS EVERYTHING
Replacing or repairing old water services can be tedious work. When existing residential or building services are made from materials such as old lead or galvanized steel pipe—and in unusual sizes—connecting them to new services can pose all sorts of problems. To deal with the variety of sizes and materials, contractors and distributors typically stock a multitude of different brass fittings just to handle each different configuration.

Not anymore. With the Universal Transition Coupling (UTC®), a wide variety of pipe can be connected to other types of pipe. The UTC® is ideal for new installations requiring transitions between two types of pipe materials. Versatility coupled with simple Slide-and-Tighten® installation make the HARCO supplied Philmac UTC® the practical choice.

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ASSEMBLY

1. Cut pipe to length
   Cut pipe square and to length using the flange on the central body as a guide. Ensure end of connecting pipe is undamaged and clean.

2. Prepare fitting
   To ensure adequate insertion depth, witness mark the pipe to the back of the flange. A marker pen can be used or use of a thumb is suitable.

3. Pipe Insertion
   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.) Insert pipe to the correct depth.

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

5. Fully Installed
   The fitting is fully installed when the nut cannot be tightened any further with reasonable force.

The following chart provides a convenient means of identifying the appropriate UTC® fitting. UTC® fittings are available in sizes A, B, C, D, E, F, and G. Product may best be identified by the millimeter markings on the nuts.

- Recommendations are based on the variation in average diameter permitted by standard. Out of roundness effects are not considered. Call for pipes not listed.
- The UTC® is pressure rated 200psi at 73°F and 150psi at 100°F.

<table>
<thead>
<tr>
<th>UTC® SELECTION RECOMMENDATIONS</th>
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<tbody>
<tr>
<td>PIPE MATERIALS</td>
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<tr>
<td>----------------</td>
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<tr>
<td>Copper (Type K, L &amp; M)</td>
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<tr>
<td>CTS PE or PEX</td>
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<tr>
<td>PVC (IPS-OD)</td>
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<tr>
<td>ABS (IPS-OD)</td>
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<tr>
<td>Galvanized Steel / Steel (IPS-OD)</td>
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<tr>
<td>Stainless Steel</td>
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<tr>
<td>PE IPS-OD (SDR)</td>
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<td>PE SDR 7 (IPS-ID)</td>
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<td>PE SDR 9 (IPS-ID)</td>
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<td>PE SDR 11.5 (IPS-ID)</td>
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<td>PE SDR 15 (IPS-ID)</td>
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<tr>
<td>Lead Strong</td>
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<tr>
<td>Extra Strong</td>
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<tr>
<td>Double Extra Strong b</td>
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NOTES:
- There may be occasions when the pipe is slightly too large for this UTC® size, in which case the coupling can be loaded on pipe disassembled.
- If the OD of the ¾” “Double Extra Strong” lead pipe is larger than 1.34”, use a Size D UTC® fitting or shave the pipe to fit a Size C UTC® fitting.
- Recommendations assume pipe is standard IPS diameter. Some pipe manufacturers may make pipe to other outside diameter dimensions.
- UTC is not recommended for PE-AL-PE and PEX-AL-PEX composite pipes.

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