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.

LISTINGS
NSF61 Approved and Listed

DISTRIBUTED BY HARCO FITTINGS
P.O. Box 10335
Lynchburg, VA 24506-0335
Phone: (434) 845-7094
Fax: (434) 845-8562
http://www.harcofittings.com

EVERY CONNECTION YOU NEED
- Lead
- Copper
- PEX
- PVC
- Polyethylene
- Steel/Galvanized Steel
- Stainless Steel
- ABS

manufactured by Philmac
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.

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

---

**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.

---

**UTC® SELECTION RECOMMENDATIONS**

<table>
<thead>
<tr>
<th>Pipe Materials</th>
<th>Standards</th>
<th>½&quot;</th>
<th>¾&quot;</th>
<th>1&quot;</th>
<th>1 ¼&quot;</th>
<th>1 ½&quot;</th>
<th>2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper (Type K, L, &amp; M)</td>
<td>ASTM B88</td>
<td>na</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>CTS PE or PEX</td>
<td>ASTM D2737 / F876</td>
<td>na</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
</tr>
<tr>
<td>PVC (IPS-OD)</td>
<td>ASTM D2241 / D1785</td>
<td>B</td>
<td>na</td>
<td>B &amp; C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>ABS (IPS-OD)</td>
<td>ASTM D1527 / D2661 / F628</td>
<td>B</td>
<td>na</td>
<td>B &amp; C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>Galvanized Steel / Steel (IPS-OD)</td>
<td>ASTM A53</td>
<td>B</td>
<td>na</td>
<td>B &amp; C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>ASTM A312 / A358 / A376</td>
<td>B</td>
<td>na</td>
<td>B &amp; C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>PE IPS-OD (SDR)</td>
<td>ASTM D3035 / D2447</td>
<td>B</td>
<td>na</td>
<td>B &amp; C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>PE SIDR 7 (IPS-ID)</td>
<td>ASTM D2239</td>
<td>na</td>
<td>na</td>
<td>C</td>
<td>D</td>
<td>na</td>
<td>na</td>
</tr>
<tr>
<td>PE SIDR 9 (IPS-ID)</td>
<td>ASTM D2239</td>
<td>na</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>na</td>
<td>na</td>
</tr>
<tr>
<td>PE SIDR 11.5 (IPS-ID)</td>
<td>ASTM D2239</td>
<td>na</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>E</td>
<td>F</td>
</tr>
<tr>
<td>PE SIDR 15 (IPS-ID)</td>
<td>ASTM D2239</td>
<td>na</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>E</td>
<td>na</td>
</tr>
<tr>
<td>Lead</td>
<td>na</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>E</td>
<td>na</td>
<td>na</td>
</tr>
<tr>
<td>Extra Strong</td>
<td>B</td>
<td>C</td>
<td>D</td>
<td>na</td>
<td>na</td>
<td>na</td>
<td></td>
</tr>
<tr>
<td>Double Extra Strong</td>
<td>B</td>
<td>C</td>
<td>C &amp; D</td>
<td>E</td>
<td>F</td>
<td>na</td>
<td>na</td>
</tr>
</tbody>
</table>

**Nominal Pipe Size**

<table>
<thead>
<tr>
<th>UTC® Size</th>
<th>Size B</th>
<th>Size C</th>
<th>Size D</th>
<th>Size E</th>
<th>Size F</th>
<th>Size G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coupling Part #</td>
<td>75-608BB</td>
<td>75-608CC</td>
<td>75-608DD</td>
<td>75-608EE</td>
<td>75-608FF</td>
<td>75-608GG</td>
</tr>
<tr>
<td>OD Range, Inches</td>
<td>0.83 - 1.06&quot;</td>
<td>1.06 - 1.34&quot;</td>
<td>1.34 - 1.54&quot;</td>
<td>1.54 - 1.69&quot;</td>
<td>1.85 - 1.93&quot;</td>
<td>2.32 - 2.40&quot;</td>
</tr>
<tr>
<td>OD Range, mm</td>
<td>21 - 27 mm</td>
<td>27 - 34 mm</td>
<td>34 - 39 mm</td>
<td>39 - 43 mm</td>
<td>47 - 49 mm</td>
<td>59 - 61 mm</td>
</tr>
</tbody>
</table>

- **a.** 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.
- **b.** 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.
- **c.** Recommendations assume pipe is standard IPS diameter. Some pipe manufacturers may make pipe to other outside diameter dimensions.
- **d.** UTC is not recommended for PE-AL-PE and PEX-AL-PEX composite pipes.

**na: not available** - A UTC® fitting for this size pipe is not available.