



Uponor

PLUMBING SYSTEMS
WIPEx™ FITTINGS

INSTRUCTION SHEET

Uponor WIPEx™ Fittings Instruction Sheet

Introduction

Uponor's WIPEx™ fittings are manufactured from a dezincification-resistant alloy, DZR brass, and are specifically designed for connecting 3" Uponor AquaPEX® tubing. The unique design of the WIPEx fitting features an eccentric outer sleeve for easier grip and an even force when inserting the tubing. The inner sleeve features a threaded profile and includes an o-ring to ensure a secure, tight seal (see **Figure 1**). The maximum operating pressure and temperature for WIPEx fittings is 87 psi at 203°F.

Getting Started

Check the contents of this package. For damaged or missing contents, please contact your Uponor sales representative or distributor for assistance.

The Package Includes

- WIPEx Fitting(s)
- O-ring(s)
- Bolts, washers and nuts
- WIPEx Fittings Instruction Sheet

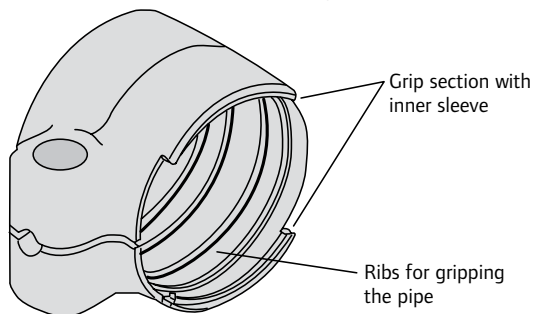


Figure 1: Eccentric Design of the WIPEx Fitting

Tools and Parts Required

- Plastic tube cutter
- De-burring tool or knife
- WIPEx Sleeve Pliers
- Wrench (size FD 2-19mm)
- Low-friction lubrication (MoS2)

Installation

Important: Read this instruction sheet completely before beginning installation. If you have any questions about these instructions, please contact your Uponor sales representative or distributor for assistance.

1. Cut the tubing with an appropriate plastic-pipe cutter. If using another method for cutting the tubing, be sure to remove the shavings inside the tube prior to installing the fitting to avoid blocking valves.



Figure 2: Cut the Tubing

2. Chamfer the tubing bore with a de-burring tool or knife, and remove any external burrs. This prevents damage to the o-ring or dislocation from its groove during installation.



Figure 3: Chamfer the Tubing

3. Use WIPEx Sleeve Pliers to dismount the outer sleeve (see **Figure 5**).



Figure 4: Dismount the Outer Sleeve

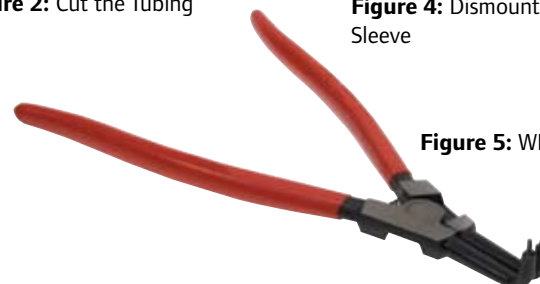


Figure 5: WIPEx Sleeve Pliers



Figure 6: Insert the Bolt Head

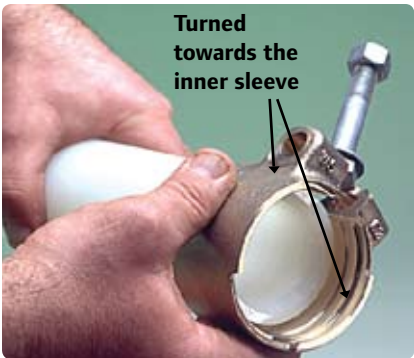


Figure 7: Mount the Outer Sleeve



Figure 8: Lubricate the O-ring



Figure 9: Push Outer Sleeve to Stop Support

4. Place a bolt head between the pads, and remove the outer sleeve (see **Figure 6**).
5. Mount the outer sleeve onto the tubing. Make sure to position the outer sleeve correctly towards the inner sleeve, so the locking grooves engage (see **Figure 7**).
6. To ensure easy mounting of the pipe onto the inner sleeve, lubricate the o-ring, preferably with an environmentally friendly silicone spray or soap (see **Figure 8**).
7. Mount the pipe on the insert sleeve and push the outer sleeve until it reaches the stop support for the tubing.

Important: Lubricate the bolt threads and washer with suitable low-friction lubrication (MoS2) before tightening.

8. Tighten the WIPEX fitting.

Note: Tighten slowly by hand to avoid thread problems when assembling acid-resistant, stainless-steel bolts in a screw joint. If using a tightening machine, only use a low number of revolutions. Use wrenches to slowly tighten until the pads of the clamping sleeve are in contact with one another (see **Figure 10**).

Caution: If the pads do not come in contact, wait 5 to 30 minutes (the larger the fitting, the longer the wait time) and then try tightening again until the pads are in contact with one another (see **Figure 11**).

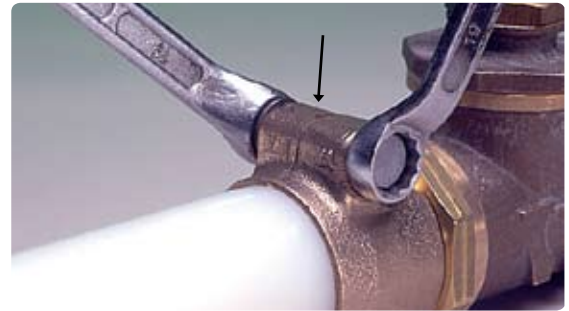


Figure 10: Tighten the Fitting

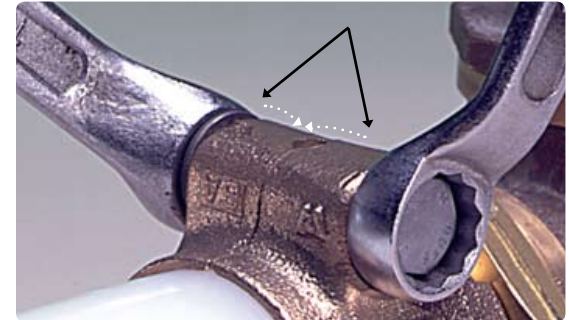


Figure 11: Grip and Seal Between Fitting and Pipe

9. Perform pressure testing according to current standards. If standards are not available, refer to the following instructions:
 - Vent all air from the system and apply one-and-a-half times the normal operating pressure.
 - Maintain this pressure for 30 minutes, and visually inspect the joints.
 - Quickly drain off water until the pressure falls to one-half the normal operating pressure, and close the drain valve.
 - If the pressure rises to a constant level higher than one-half the normal operating pressure, the system is tight.
 - Maintain this pressure for 90 minutes, and visually inspect the fittings during this time. A drop in pressure indicates a leak in the system.

Specifications

Profile Dimensions	Pressure Class
3"	87 psi at 203°F

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