

SUBMITTAL SHEET

JOB NAME	ITEM TAG
JOB LOCATION	PART NUMBER
CONTRACTOR	DATE
ENGINEER APPROVAL	DATE



WROT COPPER PRESS-TO-CONNECT TUBING FITTINGS

Elbows, Caps, Tees, Couplings and Adapters

Press-type end connections eliminate the need for soldering, reducing labor and material costs and eliminating the fire hazard associated with the process.

Press-to-connect connections are designed for installation onto ASTM B88 types K, L and M hard-drawn copper tubing. Coiled (annealed) soft copper tubing is not recommended, but can be used if ends are made round.

Fittings in nominal sizes 1/2" to 4" feature molded recess O-rings, which when un-pressed, create leak paths at multiple points during the pressure test, to quickly identify an un-pressed joint.

Available in nominal tubing sizes 1/2" to 4" in a variety of configurations.

Threaded adapters are lead-free brass.

Working Pressure, Non Shock (PSI)

Cold working pressure (CWP): 200 psi
 Saturated steam (WSP): 15 psi

Vacuum-rated to 29.2 in/Hg at 68° F
 Operating temperature range: 0° F to 250° F

MATERIAL SPECIFICATION

PART	MATERIAL	SPECIFICATION
Press configurations	Wrot copper alloy	ASTM B152 C11000 and ASTM B75 C12200
Threaded adapters	Lead-free brass	UNS Alloy C46500
	EPDM O-ring	Commercial grade
	Stainless steel grip ring (2-1/2" to 4" fittings)	AISI Grade 304
	Acetal resin guide ring (2-1/2" to 4" fittings)	Commercial grade

PRESS FITTING INSERTION DEPTH:

Nominal tubing size:	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Insertion Depth (in)	3/4"	15/16"	15/16"	1"	1-7/16"	1-5/8"	1-3/4"	2"	2-1/4"

REQUIRED MINIMUM DISTANCE BETWEEN PRESS JOINTS:

Nominal tubing size:	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
Distance (in)	1/2"	1/2"	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	3/4"

Certifications/Listings:

NSF/ANSI 61: Drinking water components - Health effects.
 NSF/ANSI 372: Drinking Water components - Lead content.
 Uniform Plumbing Code (UPC).
 National Plumbing Code of Canada.

Standards:

ASTM B152 Alloy C11000: Standard Specification for Copper Sheet, Strip and Plated Rolled Bar.
 ASTM B75 Alloy C12200: Standard Specification for Seamless Round Copper Tube for general engineering applications.
 ANSI/ASME B16.51 Standard Specification for Copper and Copper Alloy Press-Connect Pressure Fittings.
 ANSI/ASME B16.22: Standard Specification for Wrought Copper and Copper Alloy Solder Joint Pressure Fittings.
 ANSI/ASME B1.20.1: Standard Specification for Pipe Threads, General Purpose (inch).

