

Sweat & Solder Tube Fittings

Soldered Tube Fittings, also called sweat fittings, are connected to copper tubing or other fittings by heating or soldering for a permanent, leak-tight connection. Tees read: run x run x outlet.










Standard Copper Fittings are suitable for plumbing applications with potable water.

Cast Copper & Bronze Fittings are suitable for plumbing and wastewater applications involving non-potable water.

Low-Lead Cast Copper & Bronze Fittings are suitable for higher pressures than standard fittings and resist scaling and corrosion in potable water applications.

Drain, Waste & Vent Copper & Bronze Fittings, also called DWV fittings, connect with pipe and use gravity to divert, divide, or return the flow of water in the residential drain, waste, and vent systems.

Flanges connect to copper tubing or other fittings by heating or soldering for a permanent, leaktight connection. They are suitable for plumbing and wastewater applications and provide easy access for cleaning, inspection, and modification.

	Connection Type	Copper Tube Size	For Tube OD	Pipe Size	Fitting Material	Maximum Operating Pressure	Maximum Operating Temperature	Brand	Item No.
Standard Copper Tube Fittings									
45° Elbow									
	Cup	1/2 in x 1/2 in	5/8 in x 5/8 in	—	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	5P038
	Cup	3/4 in x 3/4 in	7/8 in x 7/8 in	—	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P040
	Cup	1 in x 1 in	1 1/8 in x 1 1/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P041
	Cup	1 1/2 in x 1 1/2 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	5P043
	Cup	2 in x 2 in	2 1/8 in x 2 1/8 in	—	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	5P044
90° Close Rough Elbow									
	Cup	1/4 in x 1/4 in	3/8 in x 3/8 in	—	Wrot Copper	912 psi @ 100°F	400 °F	Nibco	5P049
	Cup	3/8 in x 3/8 in	1/2 in x 1/2 in	—	Wrot Copper	779 psi @ 100°F	400 °F	Nibco	5P050
	Cup	1/2 in x 1/2 in	5/8 in x 5/8 in	—	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	5P051
	Cup	3/4 in x 3/4 in	7/8 in x 7/8 in	—	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P053
	Cup	1 in x 1 in	1 1/8 in x 1 1/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P054
	Cup	1 1/4 in x 1 1/4 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	439 psi @ 100°F	400 °F	Nibco	5P055
	Cup	1 1/2 in x 1 1/2 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	5P056
	Cup	2 in x 2 in	2 1/8 in x 2 1/8 in	—	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	5P057
	Cup	2 1/2 in x 2 1/2 in	2 5/8 in x 2 5/8 in	—	Wrot Copper	336 psi @ 100°F	400 °F	Nibco	5P058
	Cup	3 in x 3 in	3 1/2 in x 3 1/2 in	—	Wrot Copper	317 psi @ 100°F	400 °F	Nibco	1VMA3
	Cup	4 in x 4 in	4 1/2 in x 4 1/2 in	—	Wrot Copper	293 psi @ 100°F	400 °F	Nibco	1VMA4
	FTG x Cup	1 in x 1 in	1 1/8 in x 1 1/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P066
	FTG x Cup	1 1/2 in x 1 1/2 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	1VMA6
	FTG x Cup	2 in x 2 in	2 1/8 in x 2 1/8 in	—	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	1VMA7
	FTG x FTG	2 in x 2 in	2 1/8 in x 2 1/8 in	—	Wrot Copper	291 psi @ 200°F	400 °F	Nibco	39R745
90° Long Radius Elbow									
	Cup	3/8 in x 3/8 in	1/2 in x 1/2 in	—	Wrot Copper	779 psi @ 100°F	400 °F	Nibco	5P086
	Cup	1/2 in x 1/2 in	5/8 in x 5/8 in	—	Wrot Copper	631 psi @ 100°F	400 °F	Nibco	5P088
	Cup	3/4 in x 3/4 in	7/8 in x 7/8 in	—	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P089
	Cup	1 in x 1 in	1 1/8 in x 1 1/8 in	—	Wrot Copper	395 psi @ 200°F	400 °F	Nibco	39R608
	Cup	1 1/4 in x 1 1/4 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P090
	Cup	1 1/2 in x 1 1/2 in	1 5/8 in x 1 5/8 in	—	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	5P092
	Cup	2 in x 2 in	2 1/8 in x 2 1/8 in	—	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	5P093
Cap									
	Cup	1 in	1 1/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P123
	Cup	2 in	2 1/8 in	—	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	5P126
P-Trap									
	Cup	3/4 in x 3/4 in	7/8 in x 7/8 in	—	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P143
Reducing Adapter									
	Cup x FNPT	1/2 in	5/8 in	1/4 in	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	5P014
	Cup x MNPT	1/2 in	5/8 in x 3/8 in	1/2 in	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	1VLV7
	Cup x MNPT	3/4 in	7/8 in	1/2 in	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P029
	FTG x FNPT	1/2 in	5/8 in	1/2 in	Wrot Copper	577 psi @ 200°F	400 °F	Nibco	39R559
	FTG x FNPT	3/4 in	7/8 in	3/4 in	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P024
Reducing Bushing									
	FTG x FNPT	1/2 in	5/8 in	1/4 in	Wrot Copper	577 psi @ 200°F	400 °F	Nibco	39R512
Reducing Tee									
	Cup	1/2 in x 1/2 in x 1/4 in	5/8 in x 5/8 in x 3/8 in	—	Wrot Copper	577 psi @ 200°F	400 °F	Nibco	39R519
	Cup	1 in x 1 in x 1/2 in	1 1/8 in x 1 1/8 in x 5/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P107
	Cup	1 in x 1 in x 3/4 in	1 1/8 in x 1 1/8 in x 7/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P108
	Cup	2 in x 2 in x 3/4 in	2 1/8 in x 2 1/8 in x 7/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P118
	Cup	2 in x 2 in x 1 in	2 1/8 in x 2 1/8 in x 1 1/8 in	—	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P119
	Cup	2 in x 2 in x 2 in	2 1/8 in x 2 1/8 in x 2 1/8 in	—	Wrot Copper	291 psi @ 200°F	400 °F	Nibco	39R499
Straight Adapter									
	Cup x FNPT	1/4 in	3/8 in	1/4 in	Wrot Copper	912 psi @ 100°F	400 °F	Nibco	1VLR8
	Cup x FNPT	1/2 in	5/8 in	1/2 in	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	5P015
	Cup x FNPT	3/4 in	7/8 in	3/4 in	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	5P018
	Cup x FNPT	1 in	1 1/8 in	1 in	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	5P019
	Cup x FNPT	1 1/2 in	1 5/8 in	1 1/2 in	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	5P021
	Cup x FNPT	2 in	2 1/8 in	2 in	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	1VLU5
	Cup x FNPT	3 in	3 1/2 in	3 in	Wrot Copper	317 psi @ 100°F	400 °F	Nibco	1VLU8
	Cup x MNPT	1/2 in	5/8 in x 3/8 in	1/2 in	Wrot Copper	722 psi @ 100°F	400 °F	Nibco	1VLV5
	Cup x MNPT	3/4 in	7/8 in x 1/2 in	3/4 in	Wrot Copper	582 psi @ 100°F	400 °F	Nibco	1VLW1
	Cup x MNPT	1 in	1 1/8 in x 1 1/8 in	1 in	Wrot Copper	494 psi @ 100°F	400 °F	Nibco	1VLW2
	Cup x MNPT	1 1/4 in	1 5/8 in x 1 5/8 in	1 1/4 in	Wrot Copper	439 psi @ 100°F	400 °F	Nibco	1VLW6
	Cup x MNPT	1 1/2 in	1 5/8 in x 1 5/8 in	1 1/2 in	Wrot Copper	408 psi @ 100°F	400 °F	Nibco	1VLW9
	Cup x MNPT	2 in	2 1/8 in x 2 1/8 in	2 in	Wrot Copper	200 psi	250 °F	Streamline	5UGA8
	Cup x MNPT	2 in	2 1/8 in x 2 1/8 in	2 in	Wrot Copper	364 psi @ 100°F	400 °F	Nibco	5P035
	Cup x MNPT	2 1/2 in	2 5/8 in x 2 5/8 in	2 1/2 in	Wrot Copper	336 psi @ 100°F	400 °F	Nibco	1VLX5
	Cup x MNPT	3 in	3 1/2 in x 3 1/2 in	3 in	Wrot Copper	317 psi @ 100°F	400 °F	Nibco	1VLX6
	FTG x MNPT	3/4 in	7/8 in x 1/2 in	3/4 in	Wrot Copper	466 psi @ 200°F	400 °F	Nibco	39R507

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