

**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE**

COPPER TUBE



COMPUTER #	DESCRIPTION	
	REFRIGERATION	
101-0000	1/4"X50' OD REFRIGERATION TUBE	
101-0026	3/8"X50' OD REFRIGERATION TUBE	
101-0042	1/2"X50' OD REFRIGERATION TUBE	
101-0068	5/8"X50' OD REFRIGERATION TUBE	
101-0076	3/4"X50' OD REFRIGERATION TUBE	
101-0084	7/8"X50' OD REFRIGERATION TUBE	
	TYPE K SOFT	
101-0260	3/8"X60' K SOFT TUBE	
101-0286	1/2"X60' K SOFT TUBE	
101-0308	3/4"X60' K SOFT TUBE	
101-0340	1"X60' K SOFT TUBE	
	TYPE L SOFT	
101-0744	3/8"X60' L SOFT TUBE	
101-0760	1/2"X60' L SOFT TUBE	
101-0786	3/4"X60' L SOFT TUBE	
	TYPE L HARD	
101-1002	1/2"X20' L HARD TUBE	
101-1028	3/4"X20' L HARD TUBE	
101-1044	1"X20' L HARD TUBE	
101-1060	1 1/4"X20' L HARD TUBE	
101-1086	1 1/2"X20' L HARD TUBE	
101-1108	2"X20' L HARD TUBE	
	TYPE M HARD	
101-1376	1/2"X10' M HARD TUBE	
101-1384	3/4"X20' M HARD TUBE	
101-1392	3/4"x10' M HARD TUBE	
101-1406	1"x20' M HARD TUBE	
101-1422	1 1/4"x20' M HARD TUBE	
101-1448	1 1/2"x20' M HARD TUBE	
101-1464	2"x20' M HARD TUBE	



**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE
Copper Tube • Plumbing**

Dimensions and Physical Characteristics of Copper Tube: TYPE K

Nominal or Standard Size, inches	Nominal Dimensions, inches		
	Outside Diameter	Inside Diameter	Wall Thickness
1/4	.375	.305	.035
3/8	.500	.402	.049
1/2	.625	.527	.049
5/8	.750	.652	.049
3/4	.875	.745	.065
1	1.125	.995	.065
1 1/4	1.375	1.245	.065
1 1/2	1.625	1.481	.072
2	2.125	1.959	.083
2 1/2	2.625	2.435	.095
3	3.125	2.907	.109
3 1/2	3.625	3.385	.120
4	4.125	3.857	.134

Dimensions and Physical Characteristics of Copper Tube: TYPE L

Nominal or Standard Size, inches	Nominal Dimensions, inches		
	Outside Diameter	Inside Diameter	Wall Thickness
1/4	.375	.315	.030
3/8	.500	.430	.035
1/2	.625	.545	.040
5/8	.750	.666	.042
3/4	.875	.785	.045
1	1.125	1.025	.050
1 1/4	1.375	1.265	.055
1 1/2	1.625	1.505	.060
2	2.125	1.985	.070
2 1/2	2.625	2.465	.080
3	3.125	2.945	.090
3 1/2	3.625	3.425	.100
4	4.125	3.905	.110

Dimensions and Physical Characteristics of Copper Tube: TYPE M

Nominal or Standard Size, inches	Nominal Dimensions, inches		
	Outside Diameter	Inside Diameter	Wall Thickness
1/2	.625	.569	.028
3/4	.875	.811	.032
1	1.125	1.055	.035
1 1/4	1.375	1.291	.042
1 1/2	1.625	1.527	.049
2	2.125	2.009	.058
2 1/2	2.625	2.495	.065
3	3.125	2.981	.072
3 1/2	3.625	3.459	.083
4	4.125	3.935	.095

**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE**

COPPER FITTINGS



COMPUTER #	DESCRIPTION	
	FIP ADAPTER	
110-2688	WB1231 1/2" COPPER FIP ADPT	
110-2700	WB1246 3/4" COPPER FIP ADPT	
110-2726	WB1263 1" COPPER FIP ADPT	
110-2742	W01271 1 1/4" COPPER FIP ADPT	
110-2768	W01279 1 1/2" COPPER FIP ADPT	
110-2784	W01287 2" COPPER FIP ADPT	
110-2806	W01296 2 1/2" COPPER FIP ADPT	
110-3068	WB1230 1/2"X3/4" COPPER FIP ADPT	
110-3180	W01245 3/4"X1" COPPER FIP ADPT	
110-3164	W01247 3/4"X1/2" COPPER FIP ADPT	
110-3260	W01264 1"X3/4" COPPER FIP ADPT	
110-3404	W01531 1/2" COPPER FTG FIP ADPT	
110-3420	W01546 3/4" COPPER FTG FIP ADPT	
	MIP ADAPTER	
110-4002	WB1131 1/2" COPPER MIP ADPT	
110-4028	WB1146 3/4" COPPER MIP ADPT	
110-4044	WB1163 1" COPPER MIP ADPT	
110-4060	W01171 1 1/4" COPPER MIP ADPT	
110-4086	W01179 1 1/2" COPPER MIP ADPT	
110-4108	W01187 2" COPPER MIP ADPT	
110-4124	W01196 2 1/2" COPPER MIP ADPT	
110-4140	W01199 3" COPPER MIP ADPT	
110-4262	WB1130 1/2"X3/4" COPPER MIP ADPT	
110-4300	W01147 3/4"X1/2" COPPER MIP ADPT	
110-4368	W01164 1"X3/4" COPPER MIP ADPT	
110-4608	W01431 1/2" COPPER FTG MIP ADPT	
110-4624	W01446 3/4" COPPER FTG MIP ADPT	
110-4640	W01463 1" COPPER FTG MIP ADPT	
	NO STOP COUPLINGS	
110-2444	W01903 1/2" COPPER NO STOP CPLG	
110-2460	W01905 3/4" COPPER NO STOP CPLG	
110-2486	W01906 1" COPPER NO STOP CPLG	
110-2508	W01907 1 1/4" COPPER NO STOP CPLG	
110-2524	W01908 1 1/2" COPPER NO STOP CPLG	
110-2540	W01909 2" COPPER NO STOP CPLG	
	COUPLINGS	
110-0038	WB1022 1/2" COPPER COUPLING	
110-0046	WB1034 3/4" COPPER COUPLING	
110-0054	WB1047 1" COPPER COUPLING	
110-0062	W01055 1 1/4" COPPER COUPLING	
110-0070	W01063 1 1/2" COPPER COUPLING	
110-0088	W01072 2" COPPER COUPLING	
110-0096	W01082 2 1/2" COPPER COUPLING	
110-0100	W01092 3" COPPER COUPLING	



**NORTHWEST PIPE FITTINGS, INC
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COPPER FITTINGS

COMPUTER #	DESCRIPTION	
	REDUCING COUPLINGS	
110-0230	WB1036 3/4"X1/2" COPPER COUPLING	
110-0302	W01049 1"X3/4" COPPER COUPLING	
110-0280	W01051 1"X1/2" COPPER COUPLING	
110-0386	W01056 1 1/4"X1" COPPER COUPLING	
110-0360	W01058 1 1/4"X3/4" COPPER COUPLING	
110-0344	W01060 1 1/4"X1/2" COPPER COUPLING	
110-0482	W01064 1 1/2"X1 1/4" COPPER COUPLING	
110-0466	W01065 1 1/2"X1" COPPER COUPLING	
110-0440	W01067 1 1/2"X3/4" COPPER COUPLING	
110-0600	W01073 2"X1 1/2" COPPER COUPLING	
110-0588	W01074 2"X1 1/4" COPPER COUPLING	
110-0886	W01094 3"X2" COPPER COUPLING	
110-0860	W01095 3"X1 1/2" COPPER COUPLING	
	45° ELLS	
110-4964	WB3026 1/2" COPPER 45°	
110-4980	WB3034 3/4" COPPER 45°	
110-5004	WB3044 1" COPPER 45°	
110-5020	W03050 1 1/4" COPPER 45°	
110-5046	W03055 1 1/2" COPPER 45°	
110-5062	W03059 2" COPPER 45°	
110-5088	W03063 2 1/2" COPPER 45°	
	STREET 45° ELL	
110-5206	WB3326 1/2" COPPER ST 45°	
110-5222	WB3334 3/4" COPPER ST 45°	
110-5248	W03344 1" COPPER ST 45°	
110-5264	W03350 1 1/4" COPPER ST 45°	
110-5280	W03355 1 1/2" COPPER ST 45°	
110-5302	W03359 2" COPPER ST 45°	
	90° ELL	
110-5440	WB1622 1/2" COPPER 90°	
110-5466	WB1634 3/4" COPPER 90°	
110-5482	WB1647 1" COPPER 90°	
110-5504	W02084 1 1/4" COPPER 90°	
110-5520	W02085 1 1/2" COPPER 90°	
110-5546	W02086 2" COPPER 90°	
110-5562	W02087 2 1/2" COPPER 90°	
110-5588	W02088 3" COPPER 90°	
110-5600	W02090 4" COPPER 90°	
	STREET 90° ELL	
110-6766	WB1652 1/2" COPPER ST 90°	
110-6782	WB1654 3/4" COPPER ST 90°	
110-6804	WB2344 1" COPPER ST 90°	
110-6820	W02384 1 1/4" COPPER ST 90°	
110-6846	W02385 1 1/2" COPPER ST 90°	
110-6862	W02386 2" COPPER ST 90°	



**NORTHWEST PIPE FITTINGS, INC
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COPPER FITTINGS

COMPUTER #	DESCRIPTION	
	FITTING REDUCER COUPLINGS	
110-1208	WB1326 3/4"X1/2" COPPER FTG RED	
110-1304	W01337 1"X3/4" COPPER FTG RED	
110-1282	W01339 1"X1/2" COPPER FTG RED	
110-1426	W01343 1 1/4"X1" COPPER FTG RED	
110-1400	W01345 1 1/4"X3/4" COPPER FTG RED	
110-1564	W01350 1 1/2"X1 1/4" COPPER FTG RED	
110-1548	W01351 1 1/2"X1" COPPER FTG RED	
110-1522	W01353 1 1/2"X3/4" COPPER FTG RED	
110-1506	W01355 1 1/2"X1/2" COPPER FTG RED	
110-1942	W01358 2"X1 1/2" COPPER FTG RED	
110-1926	W01359 2"X1 1/4" COPPER FTG RED	
110-1900	W01360 2"X1" COPPER FTG RED	
110-1888	W01362 2"X3/4" COPPER FTG RED	
110-1862	W01364 2"X1/2" COPPER FTG RED	
110-2082	W01367 2 1/2"X2" COPPER FTG RED	
110-2200	W01377 3"X2" COPPER FTG RED	
	TEES	
110-7146	WB4006 1/2" COPPER TEE	
110-7162	WB4031 3/4" COPPER TEE	
110-7188	WB4048 1" COPPER TEE	
110-7200	W04068 1 1/4" COPPER TEE	
110-7226	W04084 1 1/2" COPPER TEE	
110-7242	W40102 2" COPPER TEE	
110-7268	W40123 2 1/2" COPPER TEE	
110-7284	W40152 3" COPPER TEE	
	REDUCING TEES	
110-7402	W04047 1/2"X3/4" COPPER TEE	
110-7582	W04065 3/4"X1" COPPER TEE	
110-7540	WB4033 3/4"X1/2" COPPER TEE	
110-7508	WB4041 3/4"X1/2"X3/4" COPPER TEE	
110-7486	WB4043 3/4"X1/2"X1/2" COPPER TEE	
110-7784	WB4049 1"X3/4" COPPER TEE	
110-7768	WB4051 1"X1/2" COPPER TEE	
110-7700	W04055 1"X3/4"X1" COPPER TEE	
110-7688	W04056 1"X3/4"X3/4" COPPER TEE	
110-8228	W04069 1 1/4"X1" COPPER TEE	
110-8202	W04070 1 1/4"X3/4" COPPER TEE	
110-8180	W04071 1 1/4"X1/2" COPPER TEE	
110-8728	W04085 1 1/2"X1 1/4" COPPER TEE	
110-8702	W04086 1 1/2"X1" COPPER TEE	
110-8680	W04087 1 1/2"X3/4" COPPER TEE	
110-9086	W40103 2"X1 1/2" COPPER TEE	
110-9060	W40104 2"X1 1/4" COPPER TEE	
110-9044	W40105 2"X1" COPPER TEE	
110-9028	W40106 2"X3/4" COPPER TEE	



**NORTHWEST PIPE FITTINGS, INC
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COPPER FITTINGS

COMPUTER #	DESCRIPTION	
	CAPS	
111-0120	WB7007 1/2" COPPER CAP	
111-0196	WB7009 3/4" COPPER CAP	
111-0276	WB7011 1" COPPER CAP	
111-0330	W07012 1 1/4" COPPER CAP	
111-0486	W07013 1 1/2" COPPER CAP	
111-0524	W07014 2" COPPER CAP	
	UNIONS	
111-1122	W08003 1/2" COPPER UNION	
111-1164	W08004 3/4" COPPER UNION	
111-1202	W08005 1" COPPER UNION	
111-1244	A11205 1 1/4" COPPER UNION	
111-1286	A11206 1 1/2" COPPER UNION	
111-1324	A11207 2" COPPER UNION	
	DROP 90° ELL	
113-1460	A01508 1/2" COPPER FIP DROP-EAR 90°	
	TWO HOLE STRAPS	
117-0166	A02529 624 1/2 COPPER PIPE STRAP	
117-0174	A02574 624 3/4 COPPER PIPE STRAP	
117-0182	A02614 624 1 COPPER PIPE STRAP	



"Lead-Free" * Compliance - Copper Tube and Fittings

Mueller Streamline Co. provides copper plumbing tube and wrought copper fittings from pure copper cathode and recycled scrap copper. The final product composition is generally 99.9% pure copper. These products have and continue to be in compliance with the "Lead-Free" laws passed in California and Vermont. Additionally, these products are certified to meet ANSI/NSF 61 Annex G. These certifications ensure compliance with the recent "Lead-Free" laws and are viewable on the NSF website via the following:

- Go to <http://www.nsf.org/Certified/PwsComponents/>
 - Under [Manufacturer]: enter "Mueller Industries"
 - Check the box for products Certified to Annex G



Date: July 6, 2011

Subject: Product Standards - Copper Fittings

Mueller Streamline Co. provides Streamline® brand copper and brass fittings which are manufactured to meet the following specifications:

STANDARDS:

Wrought Copper and Copper Alloy Solder Joint Pressure Fittings are produced in strict accordance with ASME B16.22.

- Wrought Copper Solder Joint Pressure fittings are produced in strict accordance with MSS SP-104.

- Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings (DWV) are produced in strict accordance with ASME B16.29.

- Cast Copper Alloy Solder Joint Pressure Fittings are produced in strict accordance with ASME/ ANSI B16.18.

- Cast Bronze Threaded Fittings are produced in strict accordance with ASME/ ANSI B16.15.

- Cast Copper Alloy Solder Joint Drainage Fittings (DWV) are produced in strict accordance with ASME/ ANSI B16.23.

- Class 150- Cast Copper Flanges are produced in strict accordance with MSS SP- 106 and/or the workmanship and dimensional of Federal Specification WW-F-406, ASME B16.24.

- Class 125 Bronze Pipe Flanges and Flanged Fittings are produced in strict accordance with MSS SP- 106.

- Welded Fabricated Copper Solder Joint Pressure Fittings are produced in strict accordance with MSS SP- 109.

- Threaded and Solder Joint Copper Unions are produced in strict accordance with MSS SP- 123. The material used to manufacturer these fittings are also in compliance with the following specifications:

- Copper Sheet, Strip and Plated Rolled Bar are produced in strict accordance with ASTM B152; Alloy C11000.

- Copper Alloy Sand Castings, for General Applications, are produced in strict accordance with ASTM B584, ; Alloy C84400. Federal Specification WW-U-516 for type III Class A and B Copper Alloy Unions.

- Round Seamless Copper Tube, for General Engineering Applications, is produced in strict accordance with ASTM B75; Alloy C12200 or Alloy C10200.

NSF 61 Restriction Statement: "Copper Tube (Alloy C12200) is certified by NSF to ANSI/NSF Standard 61 f or public water supplies meeting or in the process of meeting the U.S. EPA Lead and Copper Rule require corrosion control to (56FR 26460, June 7, 1991). Water supplies with pH less than 6.5 may limit copper solubility in drinking water."

**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE**



PEX PIPE AND FITTINGS

COMPUTER #	DESCRIPTION	
	PIPE	
161-0185	32 121 1/2"x100' VIEGAPEX PEX PIPE (RED)	
161-0186	32 221 1/2"x100' VIEGAPEX PEX PIPE (BLUE)	
161-0195	32 141 3/4"x100' VIEGAPEX PEX PIPE (RED)	
161-0196	32 241 3/4"x100' VIEGAPEX PEX PIPE (BLUE)	
161-0254	33 120 1/2"x20' VIEGAPEX PEX PIPE (RED)	
161-0255	33 240 1/2"x20' VIEGAPEX PEX PIPE (BLUE)	
161-0256	33 145 3/4"x20' VIEGAPEX PEX PIPE (RED)	
161-0257	33 265 3/4"x20' VIEGAPEX PEX PIPE (BLUE)	
161-0260	33 061 1"x20' VIEGAPEX PEX PIPE (WHITE)	
161-0261	32 061 1"x100' VIEGAPEX PEX PIPE (WHITE)	
	FITTINGS	
COMPUTER #	DESCRIPTION	
	RINGS	
161-1712	43 620 1/2" PEX CRIMP RING	
161-1714	43 640 3/4" PEX CRIMP RING	
161-1716	43 660 1" PEX CRIMP RING	
	COPPER SWEAT ADAPTS	
161-1613	46 635 1/2"PEX x 1/2" FEMALE CS ADAPT	
161-2623	46 645 3/4" PEX x 3/4" FEMALE CS ADAPT	
161-2625	40 655 1" PEX x 1" FEMALE CS ADAPT	
161-2400	60 651 1" PEX x 1" MALE CS ADAPT	
161-2410	46 644 3/4"PEX x 3/4" MALE CS ADAPT	
161-2500	46 633 1/2"PEX x 1/2" MALE CS ADAPT	
	COUPLINGS	
161-2611	46 434 1/2" PEX COUPLING	
161-2620	46 441 3/4"x1/2" PEX RED COUPLING	
161-2621	46 444 3/4" PEX COUPLING	
161-2630	46 454 1"x3/4" PEX RED COUPLING	
161-2635	46 455 1" PEX COUPLING	
	DROP EAR 90° ELL	
161-2750	46 233 1/2"PEX x 1/2" FIP DROP EAR 90° ELL	
	PLUGS	
161-2802	43 723 1/2" PEX POLY PLUG	
161-2804	43 744 3/4" PEX POLY PLUG	
161-2806	43 765 1" PEX POLY PLUG	
	90° ELLS	
161-2910	46 933 1/2" PEX 90 ELL	
161-2921	46 944 3/4" PEX 90 ELL	
161-2924	46 955 1" PEX 90 ELL	
161-2920	46 243 3/4"x1/2" PEX 90 ELL	
161-2911	46 821 1/2" PEX x 1/2" MIP 90 ELL	
161-2912	46 245 3/4"PEXx3/4"MIP 90 ELL	
	STUB-OUTS	
161-2913	44 226 1/2"PEXx1/2" CS STUB-OUT ELL	
161-2915	44 227 1/2"PEXx1/2" CS STUB-OUT W/PLATE	
	FEMALE ADAPTS	
161-2963	46 333 1/2"PEXxFIP ADAPT	
161-2964	46 344 3/4"PEXxFIP ADAPT	
161-2968	46 355 1"PEXxFIP ADAPT	



**NORTHWEST PIPE FITTINGS, INC
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PEX PIPE AND FITTINGS

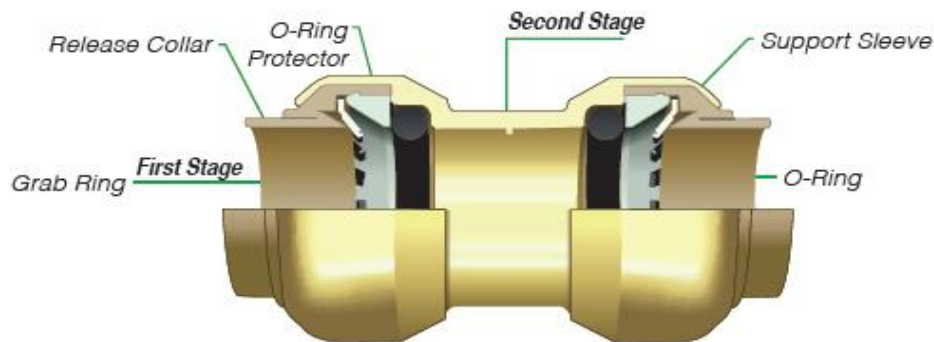
COMPUTER #	DESCRIPTION	
	MALE ADAPTS	
161-3050	46 321 1/2"PEXxMIP ADAPT	
161-3056	46 340 3/4"PEXxMIP ADAPT	
161-3060	46 366 1"PEXxMIP ADAPT	
161-3052	46 324 1/2"PEXx3/4"MIP ADAPT	
161-3054	46 342 3/4"PEXx1/2"MIP ADAPT	
	TEE'S	
161-3121	46 520 1/2"PEX TEE	
161-3152	46 540 3/4"PEX TEE	
161-3158	46 554 1"x3/4" PEX TEE	
161-3160	46 560 1" PEX TEE	
161-3150	46 433 3/4"x1/2"x1/2" PEX TEE	
161-3151	46 443 3/4"x1/2" PEX TEE	
	SUPPLY STOPS	
161-3330	T-596 114-709 1/2"PEXx3/8" STRAIGHT STOP	
1613332	T-595 114-609 1/2"PEXx3/8" ANGLE STOP	
	BALL VALVES	
161-3335	46 031 1/2" PEX BALL VALVE	
161-3340	46 044 3/4" PEX BALL VALVE	
	MANABLOCK	
161-5600	50 631 MANABLOCK WRENCH	
161-6000	MXBD14-3 1/2" 14 PORT MANABLOCK UNIT	
161-6004	MXBD18-3 1/2" 18 PORT MANABLOC UNIT	
161-6008	MXBD24-3 1/2" 24 PORT MANABLOC UNIT	
161-6150	46 414 3/4"PEXxMANABLOCK ADAPT	
161-5115	50601 MANABLOC T-HANDLE W-TAG	
	TOOLS	
161-1740	41 760 1" PEX FULL CIRCLE CRIMP TOOL	
161-1752	41 744 3/4" COMPACT ANGLE PEX CRIMPER	
161-1760	41 723 1/2" COMPACT ANGLE PEX CRIMPER	
161-1768	41 724 1/2"-3/4" PEX FULL CIRCLE CRIMPER	





SHARK BITE FITTINGS

COMPUTER #	DESCRIPTION	
160-0100	U008 1/2" SHARKBITE COUPLING	
160-0101	U016 3/4" SHARKBITE COUPLING	
160-0102	U058 SHARKBITE 3/4"x1/2" RED COUPLING	
160-0103	U020 1" SHARKBITE COUPLING	
160-0104	U060 1"x3/4" SHARKBITE RED. COUPLING	
160-0200	U072 1/2" SHARKBITE STR. FIP CONNECTION	
160-0201	U088 3/4" SHARKBITE STR. FIP CONNECTION	
160-0202	U094 1" SHARKBITE STR. FIP CONNECTOR	
160-0300	U120 1/2" SHARKBITE STR. MIP CONNECTION	
160-0301	U134 3/4" SHARKBITE STR. MIP CONNECTION	
160-0302	U140 1" SHARKBITE STR. MIP CONNECTOR	
160-0400	U362 1/2" SHARKBITE TEE	
160-0401	U370 3/4" SHARKBITE TEE	
160-0402	U412 3/4"x1/2" SHARKBITE RED TEE	
160-0403	U374 1" SHARKBITE TEE	
160-0404	U416 1"x3/4" SHARKBITE RED TEE	
160-0500	U248 1/2" SHARKBITE 90 ELL	
160-0501	U256 3/4" SHARKBITE 90 ELL	
160-0502	U260 1" SHARKBITE 90 ELL	
160-0503	U334 1/2" SHARKBITE DROP EAR 90	
160-0600	U710 1/2" SHARKBITE DISCONNECT CLIP	
160-0601	U712 3/4" SHARKBITE DISCONNECT CLIP	
160-0602	U714 1" DISCONNECT CLIP	
160-0700	U514 1/2" SHARKBITE END STOP	
160-0701	U518 3/4" SHARKBITE END STOP	
160-0702	U520 1" SHARKBITE END STOP	
160-0800	22222-0000 1/2" SHARKBITE BALL VALVE	
160-0801	22185-0000 3/4" SHARKBITE BALL VALVE	
160-0802	22223-0000 1" SHARKBITE BALL VALVE	
160-0900	23036 1/2"x3/8" SHARKBITE 1/4 TURN ANGLE	
160-0910	23037 1/2"x3/8" SHARKBITE 1/4 TURN STRAIGHT	
160-1000	U3088FLEX-12 12" SHARKBITE WH CONNECTOR	
160-1010	U3088FLEX-15 15" SHARKBITE WH CONNECTOR	
160-1020	U3088FLEX-18 18" SHARKBITE WH CONNECTOR	
160-1030	U3088FLEX-24 24" SHARKBITE WH CONNECTOR	
160-1100	U2008 1/2" SHARKBITE CHECK VALVE	
160-1110	U2016 3/4" SHARKBITE CHECK VALVE	
160-1120	U2020 1" SHARKBITE CHECK VALVE	





Connecting a SharkBite® Joint

The following instructions must be followed to assemble the SharkBite® Connection System.

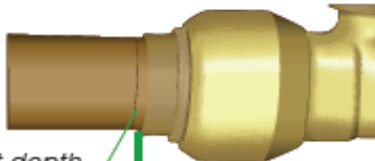
Select the correct size fitting and tubing for the job. Check that fittings and tubing are clean, in good condition and are free from damage and foreign objects. Cut the tube so that the ends are square. Ensure that there are no burrs or damage to the cut end. Wherever possible proper tube cutting tools such as rotary tube cutters (copper tubing) or tube shears (for plastic tubing) should be used.

Once the tubing end is cut square and clean, use the SharkBite® Depth Debur Gage (sold separately) and a permanent marker to mark the insert depth on the outside of the tubing. This mark is used to ensure that the joint is assembled correctly. To assemble correctly, the tubing needs to be pushed into the fitting until it meets the tube stop. Follow these three steps to insert the tubing into the fitting.



1. Insert the tube through the release collar to rest against the grab ring.

2. Push the tube firmly with a slight twisting action until it reaches the tube stop.



3. To ensure that the tube is correctly inserted, check that the depth mark is within 0.005 in (0.13 mm) of the end of the release collar.



BRASS FLARE FITTINGS

COMPUTER #	DESCRIPTION	
410-0060	40-6 3/8" OD FLARE CAP	
410-0108	40-8 1/2" OD FLARE CAP	
410-0140	40-10 5/8" OD FLARE CAP	
410-0552	41S-4 1/4" SHORT FLARE NUT	
410-0608	41S-6 3/8" SHORT FLARE NUT	
410-0640	41S-8 1/2" SHORT FLARE NUT	
410-0704	41S-10 5/8" SHORT FLARE NUT	
410-0712	41S-12 3/4" SHORT FLARE NUT	
410-0762	42-4 1/4" OD FLARE UNION	
410-0800	42-6 3/8" OD FLARE UNION	
410-0834	42-8 1/2" OD FLARE UNION	
410-0876	42-10 5/8" OD FLARE UNION	
410-0948	42-8-6 1/2"x3/8" OD FLARE UNION	
410-0998	42-10-6 5/8"x3/8" OD FLARE UNION	
410-1012	42-10-8 5/8"x1/2" OD FLARE UNION	
410-1100	44-6 3/8" FLARE TEE UNION	
4101134	44-8 1/2" FLARE TEE UNION	
4101168	44-10 5/8" FLARE TEE UNION	
4101432	46-6-6 3/8" FLARExMIP ADAPTER	
4101466	46-6-8 3/8"x1/2" FLARExMIP ADAPTER	
4101490	46-6-12 3/8"x3/4" FLARExMIP ADAPTER	
4101538	46-8-6 1/2"x3/8" FLARExMIP ADAPTER	
4101618	46-8-12 1/2"x3/4" FLARExMIP ADAPTER	
4101668	46-10-8 5/8"x1/2" FLARExMIP ADAPTER	
4101692	46-10-12 5/8"x3/4" FLARExMIP ADAPTER	
4101852	48-4-4 1/4" FLARExMIP ADAPTER	
4102056	48-6-6 3/8" FLARExMIP ADAPTER	
4102080	48-6-8 3/8"x1/2" FLARExMIP ADAPTER	
4102194	48-8-6 1/2"x3/8" FLARExMIP ADAPTER	
4102224	48-8-8 1/2" FLARExMIP ADAPTER	
4102266	48-8-12 1/2"x3/4" FLARExMIP ADAPTER	
4102346	48-10-8 5/8"x1/2" FLARExMIP ADAPTER	
4102354	48-12-8 3/4"x1/2" FLARExMIP ADAPTER	
4102370	48-10-12 5/8"x3/4" FLARExMIP ADAPTER	
4102426	49-4-4 1/4" FLARExMIP 90 ELL	
4102522	49-6-6 3/8" FLARExMIP 90 ELL	
4102556	49-6-8 3/8"x1/2" FLARExMIP 90 ELL	
4102628	49-8-6 1/2"x3/8" FLARExMIP 90 ELL	
4102660	49-8-8 1/2" FLARExMIP 90 ELL	
4102716	49-10-8 5/8"x1/2" FLARExMIP 90 ELL	
4102724	149-8-12 1/2"x3/4" FLARExMIP 90 ELL	
4102766	150-8-8 1/2" FLARExMIP 90 ELL	



Working Pressures

Working pressures vary by type and size of tubing used, and style of fitting. However, based on .032 wall copper tubing, the pressures may range as follows depending on size:

CONNECTION TYPE	WORKING PRESSURE
Flare (1/8" to 3/4")	600 to 3,000 PSI
Compression	100 to 400 PSI
Iron Pipe	Up to 1,200 PSI
PEX Tubing	Up to 150 PSI
Polyethylene Tubing	Up to 80 PSI

prices subject to change without notice

BRASS COMPRESSION FITTINGS

COMPUTER #	DESCRIPTION	
411-0056	60-4 1/4" OD COMPRESSION SLEEVE	
411-0080	60-6 3/8" OD COMPRESSION SLEEVE	
411-0110	60-8 1/2" OD COMPRESSION SLEEVE	
411-0144	60-10 5/8" OD COMPRESSION SLEEVE	
411-0146	60-12 3/4" OD COMPRESSION SLEEVE	
411-0208	61-6 3/8" OD COMPRESSION NUT	
411-0232	61-8 1/2" OD COMPRESSION NUT	
411-0290	62-4 1/4" OD COMPRESSION UNION	
411-0320	62-6 3/8" OD COMPRESSION UNION	
411-0354	62-8 1/2" OD COMPRESSION UNION	
411-0388	62-10 5/8" OD COMPRESSION UNION	
411-0400	62-14 7/8" OD COMPRESSION UNION	
411-0418	62-6-4 3/8"x1/4" OD COMPRESSION UNION	
411-0450	62-8-6 1/2"x3/8" COMPRESSION UNION	
411-0506	62-10-6 5/8"x3/8" COMPRESSION UNION	
411-0556	62-10-8 5/8"x1/2" COMPRESSION UNION	
411-0602	64-4 1/4" COMPRESSION TEE	
411-0636	64-6 3/8" COMPRESSION TEE	
411-0678	64-8 1/2" COMPRESSION TEE	
411-0716	64-10 5/8" COMPRESSION TEE	
411-0740	65-6 3/8" COMPRESSION 90° ELL	
411-0782	65-8 1/2" COMPRESSION 90° ELL	
411-0854	66-4-4 1/4" COMPRESSIONxMIP ADAPTER	
411-0896	66-6-6 3/8" COMPRESSIONxMIP ADAPTER	
411-0900	66-6-8 3/8"x1/2" COMPRESSIONxMIP ADAPT	
411-0942	66-8-6 1/2"x3/8" COMPRESSIONxMIP ADAPT	
411-0968	66-8-8 1/2" COMPRESSIONxMIP ADAPTER	
411-1016	66-10-8 5/8"x1/2" COMPRESSIONxMIP ADAP	
411-1082	68-4-2 1/4"x1/8" COMPRESSIONxMIP ADAPT	
411-1104	68-4-4 1/4" COMPRESSIONxMIP ADAPTER	
411-1120	68-4-8 1/4"x1/2" COMPRESSIONxMIP ADAPT	
411-1162	68-6-4 3/8"x1/4" COMPRESSIONxMIP ADAPT	
411-1196	68-6-6 3/8" COMPRESSIONxMIP	
411-1218	68-6-8 3/8"x1/2" COMPRESSIONxMIP	
411-1250	68-8-4 1/2"x1/4" COMPRESSIONxMIP	
411-1292	68-8-8 1/2" COMPRESSIONxMIP	
411-1380	68-10-8 5/8"x1/2" COMPRESSIONxMIP	
411-1386	68-10-12 5/8"x3/4" COMPRESSIONxMIP	
411-1436	69-4-2 1/8"x1/4" COMPRESSIONxMIP 90°	
411-1460	69-4-4 1/4" COMPRESSIONxMIP 90°	
411-1494	69-6-4 3/8"x1/4" COMPRESSIONxMIP 90°	
411-1524	69-6-6 3/8" COMPRESSIONxMIP 90°	
411-1582	69-8-6 1/2"x3/8" COMPRESSIONxMIP 90°	
411-1620	69-8-8 1/2" COMPRESSIONxMIP 90° ELL	
411-1670	69-10-8 5/8"x1/2" COMPRESSIONxMIP 90°	
411-9950	63PT-4 1/4" OD BRASS INSERT STIFFNER	
411-9960	63PT-6 3/8" OD BRASS INSERT STIFFNER	
411-9970	63PT-8 1/2" OD BRASS INSERT STIFFNER	
411-1178	61CP-4 1/4" OD COMPRESSION CAP	
411-1179	61CP-6 3/8" COMPRESSION CAP	
411-1180	61CP-8 1/2" COMPRESSION CAP	



**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE**



BRASS FITTINGS

COMPUTER #	DESCRIPTION	
040-0010	BC 1/4" BRASS COUPLING	
040-0028	BC3/8 3/8" BRASS COUP	
040-0036	BC 1/2" BRASS COUPLING	
040-0044	BC 3/4" BRASS COUPLING	
040-0052	BC1 1" BRASS COUPLING	
040-0060	BC 1 1/4" BRASS COUPLING	
040-0138	BC 1/2"x1/4" BRASS RED COUPLING	
040-0140	BC 1/2"x3/8" BRASS RED COUPLING	
040-0182	BC 3/4"x1/2" BRASS RED COUPLING	
040-0204	BC 1"x1/2" BRASS RED COUPLING	
040-0212	BC 1"x3/4" BRASS RED COUPLING	
040-0528	BB 1/2"x1/4" BRASS BUSHING	
040-0536	BB 1/2"x3/8" BRASS BUSHING	
040-0552	BB 3/4"x1/4" BRASS BUSHING	
040-0560	BB 3/4"x3/8" BRASS BUSHING	
040-0578	BB 3/4"x1/2" BRASS BUSHING	
040-0616	BB 1"x1/2" BRASS BUSHING	
040-0624	BB 1"x3/4" BRASS BUSHING	
040-0682	BB 1 1/4"x1" BRASS BUSHING	
040-1352	B90L 1/2" BRASS 90°	
040-1360	B90L 3/4" BRASS 90°	
040-1378	B90L 1" BRASS 90°	
040-1810	B90SL 1/2" BRASS STREET 90°	
040-1828	B90SL 3/4" BRASS STREET 90°	
040-1836	B90SL 1" BRASS STREET 90°	
040-2056	BT1/4 1/4" BRASS TEE	
040-2064	BT3/8 3/8" BRASS TEE	
040-2072	BT 1/2" BRASS TEE	
040-2080	BT 3/4" BRASS TEE	
040-2098	BT 1" BRASS TEE	
040-3008	BP1/8 1/8" BRASS PLUG	
040-3016	BP1/4 1/4" BRASS PLUG	
040-3024	BP3/8 3/8" BRASS PLUG	
040-3032	BP1/2 1/2" BRASS PLUG	
040-3040	BP3/4 3/4" BRASS PLUG	
040-3048	BP1 1" BRASS PLUG	



BRASS INSERT FITTINGS

COMPUTER #	DESCRIPTION	
090-0246	B12 1/2" BRASS MIP ADAPTER	
090-0262	B12 3/4" BRASS MIP ADAPTER	
090-0288	B12 1" BRASS MIP ADAPTER	
090-0300	B12 1 1/4" BRASS MIP ADAPTER	
090-0326	B12 1 1/2" BRASS MIP ADAPTER	
090-5009	IBC125 1 1/4" BRASS INSERT COUPLING	



**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF, NE**

BRASS NIPPLES



COMPUTER #	DESCRIPTION	
043-0176	B80 1/4"xCLOSE BRASS NIPPLE	
043-0189	B80 1/4"x1 1/2" BRASS NIPPLE	
043-0192	B80 1/4"x2" BRASS NIPPLE	
043-0206	B80 1/4"x2 1/2" BRASS NIPPLE	
043-0214	B80 1/4"x3" BRASS NIPPLE	
043-0222	B80 1/4"x3 1/2" BRASS NIPPLE	
043-0230	B80 1/4"x4" BRASS NIPPLE	
043-0344	B80 3/8"xCLOSE BRASS NIPPLE	
043-0352	B80 3/8"x1 1/2" BRASS NIPPLE	
043-0360	B80 3/8"x2" BRASS NIPPLE	
043-0378	B80 3/8"x2 1/2" BRASS NIPPLE	
043-0386	B80 3/8"x3" BRASS NIPPLE	
043-0394	B80 3/8"x3 1/2" BRASS NIPPLE	
043-0408	B80 3/8"x4" BRASS NIPPLE	
043-0512	B80 1/2"xCLOSE BRASS NIPPLE	
043-0520	B80 1/2"x1 1/2" BRASS NIPPLE	
043-0538	B80 1/2"x2" BRASS NIPPLE	
043-0546	B80 1/2"x2 1/2" BRASS NIPPLE	
043-0554	B80 1/2"x3" BRASS NIPPLE	
043-0562	B80 1/2"x3 1/2" BRASS NIPPLE	
043-0570	B80 1/2"x4" BRASS NIPPLE	
043-0588	B80 1/2"x4 1/2" BRASS NIPPLE	
043-0596	B80 1/2"x5" BRASS NIPPLE	
043-0600	B80 1/2"x5 1/2" BRASS NIPPLE	
043-0618	B80 1/2"x6" BRASS NIPPLE	
043-0684	B80 3/4"xCLOSE BRASS NIPPLE	
043-0687	B80 3/4"x1 1/2" BRASS NIPPLE	
043-0692	B80 3/4"x2" BRASS NIPPLE	
043-0706	B80 3/4"x2 1/2" BRASS NIPPLE	
043-0714	B80 3/4"x3" BRASS NIPPLE	
043-0722	B80 3/4"x3 1/2" BRASS NIPPLE	
043-0730	B80 3/4"x4" BRASS NIPPLE	
043-0748	B80 3/4"x4 1/2" BRASS NIPPLE	
043-0756	B80 3/4"x5" BRASS NIPPLE	
043-0764	B80 3/4"x5 1/2" BRASS NIPPLE	
043-0772	B80 3/4"x6" BRASS NIPPLE	
043-0844	B80 1"xCLOSE BRASS NIPPLE	
043-0852	B80 1"x2" BRASS NIPPLE	
043-0860	B80 1"x2 1/2" BRASS NIPPLE	
043-0878	B80 1"x3" BRASS NIPPLE	
043-0886	B80 1"x3 1/2" BRASS NIPPLE	
043-0894	B80 1"x4" BRASS NIPPLE	
043-0908	B80 1"x4 1/2" BRASS NIPPLE	
043-0916	B80 1"x5" BRASS NIPPLE	
043-0924	B80 1"x5 1/2" BRASS NIPPLE	
043-0932	B80 1"x6" BRASS NIPPLE	
043-1006	B80 1 1/4"xCLOSE BRASS NIPPLE	



**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF**

STAINLESS STEEL FITTINGS

COMPUTER #	DESCRIPTION	
067-2672	1/2" 304 SS 90° ELL	
067-2680	3/4" 304 SS 90° ELL	
067-2698	1" 304 SS 90° ELL	
067-2742	1/2" 304 SS STREET 90° ELL	
067-2743	3/4" 304 SS STREET 90° ELL	
067-2744	1" 304 SS STREET 90° ELL	
067-2802	1/2" 304 SS 45° ELL	
067-2803	3/4" 304 SS 45° ELL	
067-2804	1" 304 SS 45° ELL	
067-3754	1/2" 304 SS COUPLING	
067-3762	3/4" 304 SS COUPLING	
067-3770	1" 304 SS COUPLING	
067-3788	1-1/4" 304 SS COUPLING	
067-3817	3/4"x1/2" 304 SS RED COUPLING	
067-3821	1"x1/2" 304 SS RED COUPLING	
067-3822	1"x3/4" 304 SS RED COUPLING	
067-3828	1-1/4"x1" 304 SS RED COUPLING	
067-4626	1/2" 304 SS PLUG	
067-4634	3/4" 304 SS PLUG	
067-4642	1" 304 SS PLUG	
067-4894	3/4"x1/2" 304 SS BUSHING	
067-4932	1"x1/2" 304 SS BUSHING	
067-4940	1"x3/4" 304 SS BUSHING	
067-5369	3/4" 304 SS TEE	
067-5388	1/2" 304 SS TEE	
067-5400	1" 304 SS TEE	



**NORTHWEST PIPE FITTINGS, INC
OF SCOTTSBLUFF**

STAINLESS STEEL NIPPLES

COMPUTER #	DESCRIPTION	
051-0618	1/2"xCLOSE 304 SS NIPPLE	
051-0620	1/2"x1-1/2" 304 SS NIPPLE	
051-0634	1/2"x2" 304 SS NIPPLE	
051-0640	1/2"x2-1/2" 304 SS NIPPLE	
051-0650	1/2"x3" 304 SS NIPPLE	
051-0660	1/2"x3-1/2" 304 SS NIPPLE	
051-0676	1/2"x4" 304 SS NIPPLE	
051-0680	1/2"x4-1/2" 304 SS NIPPLE	
051-0690	1/2"x5" 304 SS NIPPLE	
051-0700	1/2"x5-1/2" 304 SS NIPPLE	
051-0714	1/2"x6" 304 SS NIPPLE	
051-0802	3/4"xCLOSE 304 SS NIPPLE	
051-0810	3/4"x1-1/2" 304 SS NIPPLE	
051-0828	3/4"x2" 304 SS NIPPLE	
051-0830	3/4"x2-1/2" 304 SS NIPPLE	
051-0844	3/4"x3" 304 SS NIPPLE	
051-0850	3/4"x3-1/2" 304 SS NIPPLE	
051-0860	3/4"x4" 304 SS NIPPLE	
051-0870	3/4"x4-1/2" 304 SS NIPPLE	
051-0886	3/4"x5" 304 SS NIPPLE	
051-0890	3/4"x5-1/2" 304 SS NIPPLE	
051-0908	3/4"x6" 304 SS NIPPLE	
051-1010	1"xCLOSE 304 SS NIPPLE	
051-1014	1"x2" 304 SS NIPPLE	
051-1020	1"x2-1/2" 304 SS NIPPLE	
051-1030	1"x3" 304 SS NIPPLE	
051-1040	1"x3-1/2" 304 SS NIPPLE	
051-1056	1"x4" 304 SS NIPPLE	
051-1060	1"x4-1/2" 304 SS NIPPLE	
051-1072	1"x5" 304 SS NIPPLE	
051-1080	1"x5-1/2" 304 SS NIPPLE	
051-1098	1"x6" 304 SS NIPPLE	

