Brief Introduction >>>

YD Valve Co., Ltd is a private enterprise group integrated with scientifical research, industrial production and trade.

YD has devoted itself in the development, production and sales of copper fittings, brass fittings and other accessories for air conditioning and refrigeration equipment, water piping project and other industrial piping system. YD self-exploitation capability and annual sales amount have been enhanced rapidly under the whole group's effort. The products have been sold far to Canada, America, Australia, Spain, Mexico, Japan, Taiwan, Singapore, India, Egypt and so on. With high quality and reasonable price, products hold comparative market share in European and American high grade market.

In 2006 June, YD actively responded to the anti-dumping and anti-subsidy investigation on copper pipe fitting from Canada. In April 2007, YD responded to the second anti-dumping and anti-subsidy investigation on copper pipe fittings from Canada. YD gets the decision of 0% dumping tax rate and 0% subsidy tax rate after twice investigations, which fully illuminated YD's tenet of fair competition, sincere service and harmonious development.

YD is willing to service consumers and wins trust in consumers with its originality and sincerity.

Copper Fittings Specs & Standards

Plumbing, HVAC, Refrigeration and Medical
A Series: Made to ANSI B16.22.
C Series: Same thickness to ANSI B16.22, shorter pocket length and cheaper.
K Series: As good as Mueller/ Heldon/ Nibco/ EPC.
EN121

- NSF Certified
- CRN for Canada
- ISO 9001:2008 Certified
- ISO 14001:2004 Certified

NSF CRN **ISO9001: 2008 CERTIFIED** **ISO14001: 2004 CERTIFIED**

NSF International

ZHUJI CITY NUWHI AIR CONDITIONERS MADE CO., LTD.

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

QUALITY MANAGEMENT SYSTEM CERTIFICATE

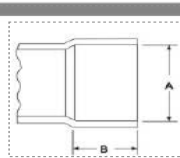
Quebec

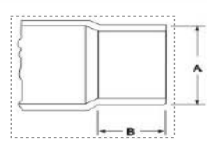
Connection Descriptions

Symbol	Name	Description
C	Copper	Female Solder. Receives copper tube diameter
FTG	Fitting	Male Solder. Fitting end is made to copper tube diameter
F	Female	ANSI Standard internal taper pipe thread (NPTI)
M	Male	ANSI Standard external taper pipe thread (NPTE)

Dimensions Of Wrot and Cast Fitting Ends

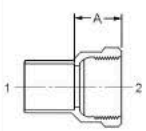
SOLDER CUP DIMENSIONS





FITTING END DIMENSIONS

Adapter-Female – C × F



HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
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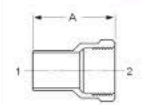
302AN0613AB	W-1204	1/4	1/2	1/8	1/2	15/64
302AN0610AB	W-1205	1/4	3/8	1/8	3/8	5/8
302AN0606AB	W-1206	1/4	1/4	1/8	1/4	21/32
302AN0603AB	W-1207	1/4	1/8	1/8	1/8	9/16
302AN1010AB	W-1214	3/8	3/8	1/4	3/8	21/32
302AN1006AB	W-1215	3/8	1/4	1/4	1/4	5/8
302AN1003AB	W-1216	3/8	1/8	1/4	1/8	17/32
302AN1319AB	W-1223	1/2	3/4	3/8	3/4	13/16
302AN1313AB	W-1224	1/2	1/2	3/8	1/2	1
302AN1310AB	W-1225	1/2	3/8	3/8	3/8	53/64
302AN1306AB	W-1226	1/2	1/4	3/8	1/4	19/32
302AN1619AB	W-1230	5/8	3/4	1/2	3/4	1 3/64
302AN1613AB	W-1231	5/8	1/2	1/2	1/2	27/32
302AN1610AB	W-1232	5/8	3/8	1/2	3/8	49/64
302AN1606AB	W-1233	5/8	1/4	1/2	1/4	1/2
302AN1919AB	W-1238	3/4	3/4	5/8	3/4	57/64
302AN1913AB	W-1239	3/4	1/2	5/8	1/2	29/32
302AN2225AB	W-1245	7/8	1	3/4	1	1 5/32
302AN2219AB	W-1246	7/8	3/4	3/4	3/4	27/32
302AN2213AB	W-1247	7/8	1/2	3/4	1/2	1
302AN2832AB	W-1261	1 1/8	1 1/4	1	1 1/4	1 7/32
302AN2825AB	W-1263	1 1/8	1	1	1	31/32
302AN2819AB	W-1264	1 1/8	3/4	1	3/4	13/16
302AN2813AB	W-1265	1 1/8	1/2	1	1/2	23/32
302AN3538AB	W-1270	1 3/8	1 1/2	1 1/4	1 1/2	1 13/32
302AN3532AB	W-1271	1 3/8	1 1/4	1 1/4	1 1/4	1 7/32
302AN3525AB	W-1272	1 3/8	1	1 1/4	1	1
302AN4250AB	W-1278	1 5/8	2	1 1/2	2	1 7/32
302AN4238AB	W-1279	1 5/8	1 1/2	1 1/2	1 1/2	1 1/4
302AN4232AB	W-1280	1 5/8	1 1/4	1 1/2	1 1/4	29/32
302AN5450AB	W-1287	2 1/8	2	2	2	15/16
302AN5438AB	W-1288	2 1/8	1 1/2	2	1 1/2	1 3/16
302AN6764AB	W-1296	2 5/8	2 1/2	2 1/2	2 1/2	1 3/16
302AN8076AB	W-1297	3 1/8	3	3	3	1 5/16
302AN105102AB	W-1250	4 1/8	4	4	4	

Adapter-Fitting - FTG × F



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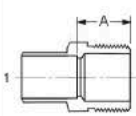
304AN1313AB	W-1524	1/2	1/2	3/8	1/2	1 15/32
304AN1310AB	W-1525	1/2	3/8	3/8	3/8	1 19/64
304AN1306AB	W-1526	1/2	1/4	3/8	1/4	1 1/8
304AN1613AB	W-1531	5/8	1/2	1/2	1/2	1 1/2
304AN1610AB	W-1532	5/8	3/8	1/2	3/8	1 19/64
304AN2219AB	W-1546	7/8	3/4	3/4	3/4	1 45/64
304AN2213AB	W-1547	7/8	1/2	3/4	1/2	1 11/16
304AN2825AB	W-1563	1 1/8	1	1	1	2 5/64
304AN2819AB	W-1564	1 1/8	3/4	1	3/4	1 49/64
304AN3532AB	W-1571	1 3/8	1 1/4	1 1/4	1 1/4	2 7/32
304AN4238AB	W-1579	1 5/8	1 1/2	1 1/2	1 1/2	2 15/32
304AN5450AB	W-1587	2 1/8	2	2	2	2 13/32
304AN6764AB	W-1596	2 5/8	2 1/2	2 1/2	2 1/2	2 53/64

Adapter-Male - C X M



HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
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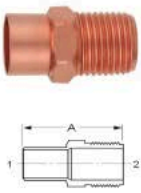
301AN0610AB	W-1105	1/4	3/8	1/8	3/8	3/4
301AN0606AB	W-1106	1/4	1/4	1/8	1/4	49/64
301AN0603AB	W-1107	1/4	1/8	1/8	1/8	27/64
301AN0803AB	W-1109	5/16	1/8	3/16	1/8	27/32
301AN0806AB	W-1110	5/16	1/4	3/16	1/4	5/8
301AN1013AB	W-1113	3/8	1/2	1/4	1/2	1
301AN1010AB	W-1114	3/8	3/8	1/4	3/8	63/64
301AN1006AB	W-1115	3/8	1/4	1/4	1/4	21/32
301AN1003AB	W-1116	3/8	1/8	1/4	1/8	17/32
301AN1319AB	W-1123	1/2	3/4	3/8	3/4	1 7/64
301AN1313AB	W-1124	1/2	1/2	3/8	1/2	13/16
301AN1310AB	W-1125	1/2	3/8	3/8	3/8	21/32
301AN1306AB	W-1126	1/2	1/4	3/8	1/4	7/8
301AN1625AB	W-1129	5/8	1	1/2	1	1 29/64
301AN1619AB	W-1130	5/8	3/4	1/2	3/4	15/16
301AN1613AB	W-1131	5/8	1/2	1/2	1/2	13/16
301AN1610AB	W-1132	5/8	3/8	1/2	3/8	41/64
301AN1606AB	W-1133	5/8	1/4	1/2	1/4	3/4
301AN1919AB	W-1138	3/4	3/4	5/8	3/4	1 1/64
301AN1913AB	W-1139	3/4	1/2	5/8	1/2	3/4
301AN2225AB	W-1145	7/8	1	3/4	1	1 5/32
301AN2219AB	W-1146	7/8	3/4	3/4	3/4	1 5/32
301AN2213AB	W-1147	7/8	1/2	3/4	1/2	7/8
301AN2838AB	W-1161	1 1/8	1 1/2	1	1 1/2	1 45/64
301AN2832AB	W-1162	1 1/8	1 1/4	1	1 1/4	1 9/16
301AN2825AB	W-1163	1 1/8	1	1	1	1 9/64
301AN2819AB	W-1164	1 1/8	3/4	1	3/4	59/64
301AN2813AB	W-1165	1 1/8	1/2	1	1/2	31/32
301AN3538AB	W-1170	1 3/8	1 1/2	1 1/4	1 1/2	1 21/32
301AN3532AB	W-1171	1 3/8	1 1/4	1 1/4	1 1/4	1 9/32
301AN3525AB	W-1172	1 3/8	1	1 1/4	1	2 1/4
301AN3519AB	W-1173	1 3/8	3/4	1 1/4	3/4	31/32
301AN4250AB	W-1178	1 5/8	2	1 1/2	2	1 7/32
301AN4238AB	W-1179	1 5/8	1 1/2	1 1/2	1 1/2	1 1/4
301AN4232AB	W-1180	1 5/8	1 1/4	1 1/2	1 1/4	1 1/8
301AN4225AB	W-1181	1 5/8	1	1 1/2	1	1 3/32
301AN5450AB	W-1187	2 1/8	2	2	2	1 19/64
301AN5438AB	W-1188	2 1/8	1 1/2	2	1 1/2	1 3/32
301AN5432AB	W-1189	2 1/8	1 1/4	2	1 1/4	1 5/32
301AN6764AB	W-1196	2 5/8	2 1/2	2 1/2	2 1/2	1 21/32
301AN6750AB	W-1197	2 5/8	2	2 1/2	2	1 1/8
301AN6738AB	W-1198	2 5/8	1 1/2	2 1/2	1 1/2	1 7/32
301AN8076AB	W-1199	3 1/8	3	3	3	1 27/64
301AN105102AB	W-1150	4 1/8	4	4	4	1 29/32

Adapter-Fitting - FTG X M



HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
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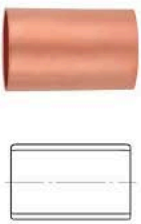
303AN1010AB	W-1414	3/8	3/8	1/4	3/8	1 1/4
303AN1310AB	W-1425	1/2	3/8	3/8	3/8	1 1/4
303AN1613AB	W-1431	5/8	1/2	1/2	1/2	1 3/8
303AN1610AB	W-1432	5/8	3/8	1/2	3/8	1 11/32
303AN2219AB	W-1446	7/8	3/4	3/4	3/4	1 59/64
303AN2213AB	W-1447	7/8	1/2	3/4	1/2	1 23/32
303AN2825AB	W-1463	1 1/8	1	1	1	2 1/4
303AN2819AB	W-1464	1 1/8	3/4	1	3/4	2 3/64
303AN3532AB	W-1471	1 3/8	1 1/4	1 1/4	1 1/4	2 15/32
303AN4238AB	W-1479	1 5/8	1 1/2	1 1/2	1 1/2	2 19/32
303AN5450AB	W-1487	2 1/8	2	2	2	2 49/64
303AN6764AB	W-1496	2 5/8	2 1/2	2 1/2	2 1/2	3 3/8

Coupling-No Stop - C X C

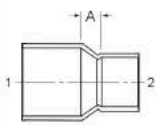


HH No.	Ref. No.	Actual Size	Nominal Size
111AN06AB	W-1900	1/4	1/8
111AN10AB	W-1901	3/8	1/4
111AN13AB	W-1902	1/2	3/8
111AN16AB	W-1903	5/8	1/2
111AN19AB	W-1904	3/4	5/8
111AN22AB	W-1905	7/8	3/4
111AN28AB	W-1906	1 1/8	1
111AN35AB	W-1907	1 3/8	1 1/4
111AN42AB	W-1908	1 5/8	1 1/2
111AN54AB	W-1909	2 1/8	2
111AN67AB	W-1910	2 5/8	2 1/2
111AN80AB	W-1911	3 1/8	3
111AN92AB	W-1912	3 5/8	3 1/2
111AN105AB	W-1913	4 1/8	4

Coupling-Rolled Stop - C X C

HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions
				A
100AN03AB	W-1000	1/8		3/64
100AN05AB	W-1001	3/16	1/16	1/16
100AN0AB	W-1003	1/4	1/8	1/16
100AN10AB	W-1009	3/8	1/4	1/16
100AN13AB	W-1017	1/2	3/8	1/16
100AN16AB	W-1022	5/8	1/2	1/16
100AN19AB	W-1028	3/4	5/8	1/16
100AN22AB	W-1034	7/8	3/4	1/16
100AN25AB	W-1040	1	7/8	1/16
100AN28AB	W-1047	1 1/8	1	1/16
100AN35AB	W-1055	1 3/8	1 1/4	1/16
100AN38AB	W-1062	1 1/2	1 3/8	1/16
100AN42AB	W-1063	1 5/8	1 1/2	1/16
100AN54AB	W-1072	2 1/8	2	1/16
100AN67AB	W-1082	2 5/8	2 1/2	3/16
100AN76AB		3	2 7/8	3/16
100AN80AB	W-1092	3 1/8	3	3/16
100AN92AB	W-10100	3 5/8	3 1/2	3/16
100AN105AB	W-10107	4 1/8	4	3/16

Coupling Reducing - C X C



HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
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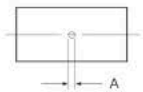
101AN2213AB	W-1037	7/8	1/2	3/4	3/8	13/32
101AN2210AB	W-1038	7/8	3/8	3/4	1/4	3/8
101AN2825AB	W-1048	1 1/8	1	1	7/8	
101AN2822AB	W-1049	1 1/8	7/8	1	3/4	11/32
101AN2819AB	W-1050	1 1/8	3/4	1	5/8	23/64
101AN2816AB	W-1051	1 1/8	5/8	1	1/2	13/32
101AN2813AB	W-1052	1 1/8	1/2	1	3/8	15/32
101AN2810AB	W-1053	1 1/8	3/8	1	1/4	
101AN3528AB	W-1056	1 3/8	1 1/8	1 1/4	1	9/32
101AN3525AB	W-1057	1 3/8	1	1 1/4	7/8	
101AN3522AB	W-1058	1 3/8	7/8	1 1/4	3/4	13/32
101AN3519AB	W-1059	1 3/8	3/4	1 1/4	5/8	
101AN3516AB	W-1060	1 3/8	5/8	1 1/4	1/2	17/32
101AN3513AB	W-1061	1 3/8	1/2	1 1/4	3/8	
101AN4235AB	W-1064	1 5/8	1 3/8	1 1/2	1 1/4	5/16
101AN4228AB	W-1065	1 5/8	1 1/8	1 1/2	1	15/32
101AN4225AB	W-1066	1 5/8	1	1 1/2	7/8	
101AN4222AB	W-1067	1 5/8	7/8	1 1/2	3/4	19/32
101AN4219AB	W-1068	1 5/8	3/4	1 1/2	5/8	
101AN4216AB	W-1069	1 5/8	5/8	1 1/2	1/2	25/32
101AN5442AB	W-1073	2 1/8	1 5/8	2	1 1/2	15/32
101AN5435AB	W-1074	2 1/8	1 3/8	2	1 1/4	35/64
101AN5428AB	W-1075	2 1/8	1 1/8	2	1	13/16
101AN5422AB	W-1077	2 1/8	7/8	2	3/4	29/32
101AN5419AB	W-1078	2 1/8	3/4	2	5/8	
101AN5416AB	W-1079	2 1/8	5/8	2	1/2	1 3/32
101AN6754AB	W-1083	2 5/8	2 1/8	2 1/2	2	19/32
101AN6742AB	W-1084	2 5/8	1 5/8	2 1/2	1 1/2	7/8
101AN6735AB	W-1085	2 5/8	1 3/8	2 1/2	1 1/4	1
101AN6728AB	W-1086	2 5/8	1 1/8	2 1/2	1	1 3/16
101AN8067AB	W-1093	3 1/8	2 5/8	3	2 1/2	1/2
101AN8054AB	W-1094	3 1/8	2 3/8	3	2 1/4	15/16
101AN8042AB	W-1095	3 1/8	1 5/8	3	1 1/2	1 1/4
101AN9280AB	W-10101	3 5/8	3 1/8	3 1/2	3	29/64
101AN10592AB	W-10108	4 1/8	3 5/8	4	3 1/4	5/8
101AN10580AB	W-10109	4 1/8	3 1/8	4	3	29/32
101AN10567AB	W-10110	4 1/8	2 5/8	4	2 1/2	1 7/16
101AN10554AB	W-10111	4 1/8	2 1/8	4	2	1 5/8
101AN0605AB	W-1004	1/4	3/16	1/8	1/16	5/32
101AN0603AB	W-1005	1/4	1/8	1/8		3/16
101AN0806AB	W-1006	5/16	1/4	3/16	1/8	
101AN1008AB	W-1010	3/8	5/16	1/4	3/16	3/32
101AN1006AB	W-1011	3/8	1/4	1/4	1/8	3/16
101AN1310AB	W-1019	1/2	3/8	3/8	1/4	7/32
101AN1306AB	W-1021	1/2	1/4	3/8	1/8	3/8
101AN1613AB	W-1023	5/8	1/2	1/2	3/8	1/8
101AN1610AB	W-1025	5/8	3/8	1/2	1/4	19/64
101AN1606AB	W-1027	5/8	1/4	1/2	1/8	23/64
101AN1916AB	W-1029	3/4	5/8	5/8	1/2	1/4
101AN1913AB	W-1030	3/4	1/2	5/8	3/8	3/16
101AN1910AB	W-1031	3/4	3/8	5/8	1/4	5/16
101AN2219AB	W-1035	7/8	3/4	3/4	5/8	13/64
101AN2216AB	W-1036	7/8	5/8	3/4	1/2	19/64

Coupling-Staked Stop - C X C



HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions
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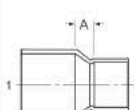
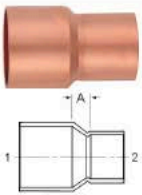
110AN08AB	W-10142	5/16	3/16	1/16
110AN10AB	W-10143	3/8	1/4	1/16
110AN13AB	W-10144	1/2	3/8	1/16
110AN16AB	W-10145	5/8	1/2	1/16
110AN19AB	W-10157	3/4	5/8	1/16
110AN22AB	W-10146	7/8	3/4	1/16
110AN28AB	W-10147	1 1/8	1	1/16
110AN35AB	W-10148	1 3/8	1 1/4	1/16
110AN42AB	W-10149	1 5/8	1 1/2	1/16
110AN54AB	W-10150	2 1/8	2	1/16
110AN67AB	W-10151	2 5/8	2 1/2	3/16
110AN80AB	W-10152	3 1/8	3	3/16
110AN92AB	W-10153	3 5/8	3 1/2	3/16
110AN105AB	W-10154	4 1/8	4	3/16
110AN130AB	W-10155	5 1/8	5	3/16
110AN156AB	W-10156	6 1/8	6	3/16
110AN206AB	W-10130	8 1/8	8	7/16

Fitting Reducing - FTG X C



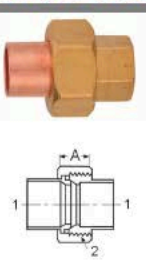
HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
		1	2	1	2	A
102AN0603AB	W-1302	1/4	1/8	1/8		17/32
102AN1006AB	W-1306	3/8	1/4	1/4	1/8	3/8
102AN1310AB	W-1312	1/2	3/8	3/8	1/4	5/8
102AN1306AB	W-1314	1/2	1/4	3/8	1/8	19/32
102AN1613AB	W-1315	5/8	1/2	1/2	3/8	3/4
102AN1610AB	W-1317	5/8	3/8	1/2	1/4	25/32
102AN1916AB	W-1320	3/4	5/8	5/8	1/2	7/8
102AN1913AB	W-1321	3/4	1/2	5/8	3/8	29/32
102AN1910AB	W-1322	3/4	3/8	5/8	1/4	7/8
102AN2219AB	W-1325	7/8	3/4	3/4	5/8	31/32
102AN2216AB	W-1326	7/8	5/8	3/4	1/2	61/64
102AN2213AB	W-1327	7/8	1/2	3/4	3/8	1 1/8
102AN2210AB	W-1328	7/8	3/8	3/4	1/4	
102AN2822AB	W-1337	1 1/8	7/8	1	3/4	1 7/64
102AN2819AB	W-1338	1 1/8	3/4	1	5/8	1 1/4
102AN2816AB	W-1339	1 1/8	5/8	1	1/2	1 11/32
102AN2813AB	W-1340	1 1/8	1/2	1	3/8	1 3/8
102AN3528AB	W-1343	1 3/8	1 1/8	1 1/4	1	1 7/32
102AN3522AB	W-1345	1 3/8	7/8	1 1/4	3/4	1 11/32
102AN3516AB	W-1347	1 3/8	5/8	1 1/4	1/2	1 1/2
102AN4235AB	W-1350	1 5/8	1 3/8	1 1/2	1 1/4	1 13/32
102AN4228AB	W-1351	1 5/8	1 1/8	1 1/2	1	1 17/32
102AN4222AB	W-1353	1 5/8	7/8	1 1/2	3/4	1 11/16
102AN4216AB	W-1355	1 5/8	5/8	1 1/2	1/2	1 3/4
102AN5442AB	W-1359	2 1/8	1 5/8	2	1 1/2	1 27/32
102AN5435AB	W-1360	2 1/8	1 3/8	2	1 1/4	2 1/32
102AN5428AB	W-1362	2 1/8	1 1/8	2	1	2 1/8
102AN5422AB	W-1364	2 1/8	7/8	2	3/4	2 3/16
102AN5416AB	W-1367	2 1/8	5/8	2	1/2	2 5/8
102AN6754AB	W-1368	2 5/8	2 1/8	2 1/2	2	2 1/32
102AN6742AB	W-1369	2 5/8	1 5/8	2 1/2	1 1/2	2 7/32
102AN6735AB	W-1370	2 5/8	1 3/8	2 1/2	1 1/4	2 15/32
102AN6728AB	W-1376	2 5/8	1 1/8	2 1/2	1	2 7/8
102AN8067AB	W-1377	3 1/8	2 5/8	3	2 1/2	2 1/32
102AN8054AB	W-1378	3 1/8	2 1/8	3	2	2 1/2

Fitting Reducing - FTG X C



HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
		1	2	1	2	A
102AN8042AB	W-1379	3 1/8	1 5/8	3	1 1/2	2 21/32
102AN8035AB	W-1381	3 1/8	1 3/8	3	1 1/4	3
102AN9280AB	W-1382	3 5/8	3 1/8	3 1/2	3	2 11/32
102AN9267AB	W-1383	3 5/8	2 5/8	3 1/2	2 1/2	1 39/64
102AN9254AB	W-1386	3 5/8	2 1/8	3 1/2	2	3 3/32
102AN10592AB	W-1387	4 1/8	3 5/8	4	3 1/2	2 1/2
102AN10580AB	W-1388	4 1/8	3 1/8	4	3	2 31/32
102AN10567AB	W-1389	4 1/8	2 5/8	4	2 1/2	3 35/64
102AN10554AB	W-1389	4 1/8	2 1/8	4	2	3 21/32

Union C X C

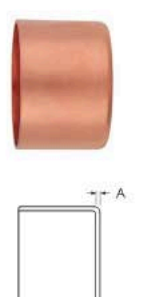


HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions
		1	2	1	2	A
305AN10AB	W-8001	3/8		1/4		19/32
305AN13AB	W-8002	1/2		3/8		7/16
305AN16AB	W-8003	5/8		1/2		15/32
305AN22AB	W-8004	7/8		3/4		5/8
305AN29AB	W-8005	1 1/8		1		29/64
305AN35AB	A-11205	1 3/8		1 1/4		1/2
305AN41AB	A-11206	1 5/8		1 1/2		23/32
305AN54AB	A-11207	2 1/8		2		1/2
305AN67AB	A-11216	2 5/8		2 1/2		1
305AN79AB	A-11217	3 1/8		3		1 5/32

Copper Tube Strap - 2 Holes

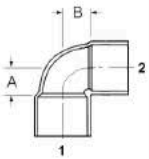
HH No.	Ref. No.	Actual Size	Nominal Size
1115T06A	A-1203	1/4	1/8
1115T10A	A-1278	3/8	1/4
1115T13A	A-1366	1/2	3/8
1115T16A	A-2529	5/8	1/2
1115T19A	A-1467	3/4	5/8
1115T22A	A-2574	7/8	3/4
1115T28A	A-2614	1 1/8	1
1115T35A	A-2650	1 3/8	1 1/4
1115T42A	A-2675	1 5/8	1 1/2
1115T54A	A-2708	2 1/8	2

Cap -C



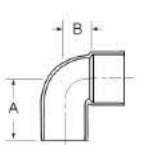
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions
				A
137AN06AB	W-7002	1/4	1/8	1/32
137AN10AB	W-7004	3/8	1/4	3/32
137AN13AB	W-7006	1/2	3/8	3/32
137AN16AB	W-7007	5/8	1/2	1/32
137AN19AB	W-7008	3/4	5/8	1/8
137AN22AB	W-7009	7/8	3/4	3/64
137AN28AB	W-7011	1 1/8	1	3/64
137AN35AB	W-7012	1 3/8	1 1/4	3/64
137AN42AB	W-7013	1 5/8	1 1/2	1/16
137AN54AB	W-7014	2 1/8	2	1/16
137AN67AB	W-7015	2 5/8	2 1/2	5/64
137AN80AB	W-7016	3 1/8	3	5/64
137AN92AB	W-7017	3 5/8	3 1/2	3/32
137AN105AB	W-7018	4 1/8	4	7/64
137AN156AB		6 1/8	6	

90° Short Radius Elbow - C X C



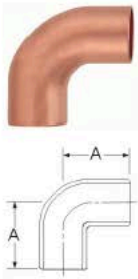
HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions	
		1	2	1	2	A	B
116AN06AB	W-2003	1/4		1/8		3/8	3/8
116AN10AB	W-2009	3/8		1/4		3/8	3/8
116AN13AB	W-2017	1/2		3/8		1/2	1/2
116AN16AB	W-2022	5/8		1/2		19/32	19/32
116AN19AB	W-2028	3/4		5/8		7/8	7/8
116AN22AB	W-2034	7/8		3/4		53/64	53/64
116AN25AB	W-2040	1		7/8		1 1/8	1 1/8
116AN28AB	W-2047	1 1/8		1		1 5/64	1 5/64
116AN35AB	W-2084	1 3/8		1 1/4		1 3/32	1 3/32
116AN42AB	W-2085	1 5/8		1 1/2		1 7/32	1 7/32
116AN54AB	W-2086	2 1/8		2		1 9/16	1 9/16
116AN67AB	W-2087	2 5/8		2 1/2		1 13/16	1 13/16
116AN80AB	W-2088	3 1/8		3		2 1/16	2 1/16
116AN92AB	W-2089	3 5/8		3 1/2		2 13/32	2 13/32
116AN105AB	W-2090	4 1/8		4		2 23/32	2 23/32
116AN130AB	W-2096	5 1/8		5			
116AN156AB	W-2097	6 1/8		6		4 13/64	4 13/64
116AN206AB	W-2099	8 1/8		8			
103AN13AB	W-1617	1/2		3/8		25/64	25/64
103AN16AB	W-1622	5/8		1/2		13/32	13/32
103AN19AB	W-1628	3/4		5/8		1/2	1/2
103AN22AB	W-1634	7/8		3/4		33/64	33/64
103AN25AB	W-1640	1		7/8		11/16	11/16
103AN28AB	W-1647	1 1/8		1		23/32	23/32

90° Short Radius Elbow - FTG X C



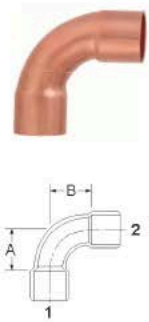
HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions	
		1	2	1	2	A	B
117AN06AB	W-2305	1/4		1/8		3/4	3/8
117AN10AB	W-2312	3/8		1/4		3/4	3/8
117AN13AB	W-2321	1/2		3/8		15/16	1/2
117AN16AB	W-2326	5/8		1/2		1 5/32	19/32
117AN19AB	W-2330	3/4		5/8		1 7/16	7/8
117AN22AB	W-2334	7/8		3/4		1 5/8	13/16
117AN28AB	W-2344	1 1/8		1		2 1/32	1 1/16
117AN35AB	W-2384	1 3/8		1 1/4		2 5/64	1 1/16
117AN42AB	W-2385	1 5/8		1 1/2		2 3/8	1 7/32
117AN54AB	W-2386	2 1/8		2		2 25/32	1 3/8
117AN67AB	W-2387	2 5/8		2 1/2		3 11/32	1 13/16
117AN80AB	W-2388	3 1/8		3		3 25/32	2 1/16
117AN92AB	W-2389	3 5/8		3 1/2		4 3/8	2 23/64
117AN105AB	W-2390	4 1/8		4		4 15/16	2 23/64
104AN16AB	WB-1652	5/8		1/2		1 1/32	7/16
104AN19AB	WB-1653	3/4		5/8		1 7/32	1/2
104AN22AB	WB-1654	7/8		3/4		1 7/16	33/64
104AN28AB	WB-2344	1 1/8		1		1 11/16	23/32

90° Short Radius Elbow - FTG X FTG



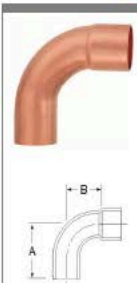
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
118AN10AB	W-2612	3/8	1/4	3/4	
118AN13AB	W-2621	1/2	3/8	15/16	
118AN16AB	W-2626	5/8	1/2	1 5/32	
118AN22AB	W-2634	7/8	3/4	1 5/8	
118AN28AB	W-2644	1 1/8	1	2 1/32	
118AN35AB	W-2684	1 3/8	1 1/4	2 5/64	
118AN42AB	W-2685	1 5/8	1 1/2	2 3/8	
118AN54AB	W-2686	2 1/8	2	2 31/32	
118AN67AB	W-2687	2 5/8	2 1/2	3 21/64	
118AN80AB	W-2688	3 1/8	3	3 25/32	
118AN92AB	W-2689	3 5/8	3 1/2	4 11/32	
118AN105AB	W-2690	4 1/8	4	4 7/8	

90° Long Radius Elbow - C X C



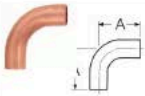
HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions	
		1	2	1	2	A	B
105AN05AB	W-2701	3/16		1/16		5/16	5/16
105AN06AB	W-2715	1/4		1/8		1/2	1/2
105AN08AB	W-2710	5/16		3/16		9/16	9/16
105AN10AB	W-2716	3/8		1/4		3/4	3/4
105AN13AB	W-2717	1/2		3/8		3/4	3/4
105AN16AB	W-2722	5/8		1/2		7/8	7/8
105AN19AB	W-2728	3/4		5/8		1 1/8	1 1/8
105AN22AB	W-2734	7/8		3/4		1 3/16	1 3/16
105AN28AB	W-2747	1 1/8		1		1 1/2	1 1/2
105AN32AB	W-2054	1 1/4		1 1/8		1 7/8	1 7/8
105AN35AB	W-2055	1 3/8		1 1/4		1 7/8	1 7/8
105AN42AB	W-2063	1 5/8		1 1/2		2 1/4	2 1/4
105AN54AB	W-2072	2 1/8		2		2 7/8	2 7/8
105AN67AB	W-2082	2 5/8		2 1/2		3 21/32	3 21/32
105AN80AB	W-2092	3 1/8		3		4 5/8	4 5/8
105AN92AB	W-2093	3 5/8		3 1/2		4 29/32	4 29/32
105AN105AB	W-2095	4 1/8		4		5 7/8	5 7/8

90° Long Radius Elbow - FTG X C



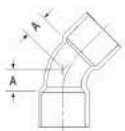
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
106AN10AB	W-2809	3/8	1/4	1 1/8	3/4
106AN13AB	W-2817	1/2	3/8	1 3/16	3/4
106AN16AB	W-2822	5/8	1/2	1 3/8	7/8
106AN19AB	W-2828	3/4	5/8	1 13/16	1 1/8
106AN22AB	W-2834	7/8	3/4	2	1 3/16
106AN28AB	W-2847	1 1/8	1	2 15/32	1 1/2
106AN35AB	W-2350	1 3/8	1 1/4	2 29/32	1 7/8
106AN42AB	W-2355	1 5/8	1 1/2	3 7/16	2 1/4
106AN54AB	W-2359	2 1/8	2	4 9/32	2 7/8
106AN67AB	W-2363	2 5/8	2 1/2	5 5/32	3 21/32
106AN80AB	W-2368	3 1/8	3	6 9/32	4 5/8
106AN92AB	W-2393	3 5/8	3 1/2	7 7/32	5 1/4
106AN105AB	W-2395	4 1/8	4	8 3/32	5 7/8

90° Long Radius Elbow - FTG X FTG



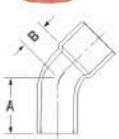
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
125AN35AB	W-2650	1 3/8	1 1/4	2 29/32	
125AN42AB	W-2655	1 5/8	1 1/2	3 7/16	
125AN54AB	W-2659	2 1/8	2	4 23/64	

45° Elbow - C X C



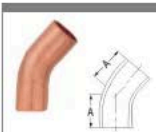
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
107AN06AB	W-3005	1/4	1/8	3/16	
107AN10AB	W-3012	3/8	1/4	3/16	
107AN13AB	W-3021	1/2	3/8	13/64	
107AN16AB	W-3026	5/8	1/2	17/64	
107AN19AB	W-3030	3/4	5/8	5/16	
107AN22AB	W-3034	7/8	3/4	23/64	
107AN28AB	W-3044	1 1/8	1	15/32	
107AN35AB	W-3050	1 3/8	1 1/4	7/16	
107AN42AB	W-3055	1 5/8	1 1/2	1/2	
107AN54AB	W-3059	2 1/8	2	5/8	
107AN67AB	W-3063	2 5/8	2 1/2	29/32	
107AN80AB	W-3067	3 1/8	3	29/32	
107AN92AB	W-3070	3 5/8	3 1/2	1 9/64	
107AN105AB	W-3073	4 1/8	4	1 3/16	
107AN130AB	W-3074	5 1/8	5		
107AN156AB	W-3075	6 1/8	6		

45° Street Elbow - FTG X C



HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
108AN10AB	W-3312	3/8	1/4	9/16	3/16
108AN13AB	W-3321	1/2	3/8	21/32	13/64
108AN16AB	W-3326	5/8	1/2	13/16	17/64
108AN19AB	W-3330	3/4	5/8	1	5/16
108AN22AB	W-3334	7/8	3/4	1 11/64	23/64
108AN28AB	W-3344	1 1/8	1	1 7/16	15/32
108AN35AB	W-3350	1 3/8	1 1/4	1 13/16	25/32
108AN42AB	W-3355	1 5/8	1 1/2	2 5/64	15/16
108AN54AB	W-3359	2 1/8	2	2 3/32	5/8
108AN67AB	W-3363	2 5/8	2 1/2	3 1/8	29/32
108AN80AB	W-3368	3 1/8	3	2 17/32	29/32
108AN105AB	W-3373	4 1/8	4	4 5/32	1 15/16

45° Elbow - FTG X FTG

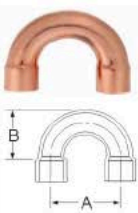


HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
127AN13AB	W-3621	1/2	3/8	21/32	
127AN16AB	W-3626	5/8	1/2	13/16	
127AN22AB	W-3634	7/8	3/4	1 11/64	
127AN28AB	W-3644	1 1/8	1	1 7/16	

P-TRAP - C X C

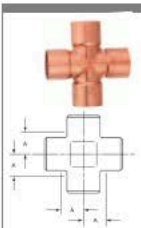
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions		
				A	B	C
120AN16AB	W 60999	5/8	1/2	6.00	5.55	1.50
120AN19AB	W 61008	3/4	5/8	6.00	6.13	1.50
120AN22AB	W 61000	7/8	3/4	6.00	6.13	1.50
120AN28AB	W 61001	1 1/8	1	5.73	6.13	1.50
120AN35AB	W 61002	1 3/8	1 1/4	6.56	5.28	1.88
120AN42AB	W 61003	1 5/8	1 1/2	8.66	7.90	2.50
120AN54AB	W 61009	2 1/8	2	9.90	8.66	3.00

Return Bend - C X C



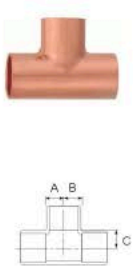
HH No.	Ref. No.	Actual Size		Nominal Size		Dimensions	
		1	2	1	2	A	B
129AN10AB	W-6020	3/8	1 1/2	1/4	1 3/8	1 1/2	15/16
129AN13AB	W-6032	1/2	1 1/2	3/8	1 3/8	1 1/2	1
129AN16AB	W-6056	5/8	2 1/4	1/2	2 1/8	2 1/4	1 1/2
129AN19AB	W-6077	3/4	2 1/2	5/8	2 3/8	2 1/2	1 5/8
129AN22AB	W-6092	7/8	2 1/2	3/4	2 3/8	2 1/2	1 11/16
129AN28AB	W-60110	1 1/8	3	1	2 7/8	3 1/4	2 3/16
129AN35AB	W-60121	1 3/8	3 3/4	1 1/4	3 5/8	3 3/4	2 9/16
129AN42AB	W-60131	1 5/8	4 1/2	1 1/2	4 3/8	4 1/2	3 1/6
129AN54AB	W-60140	2 1/8	5 1/2	2	5 3/8	5 1/2	3 13/16

Cross - C x C x C x C



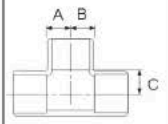
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions	
				A	B
	A-1409	1/4	1/8	1/4	1/4
	A-2532	1/2	3/8	1/2	1/2
	A-2579	3/4	5/8	9/16	9/16
	A-2612	1	7/8	23/32	23/32
	A-2649	1 1/4	1 1/8	7/8	7/8
	A-2672	1 1/2	1 3/8	1	1
	A-2707	2	2	1 1/4	1 1/4
	A-2734	2 1/2	2 3/8	1 1/2	1 1/2

Tee - C x C x C



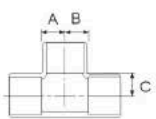
HH No.	Ref. No.	Actual Size	Nominal Size	Dimensions		
				A	B	C
112AN05AB	W-40302	3/16	1/16	7/64	7/64	25/32
112AN06AB	W-40306	1/4	1/8	5/32	5/32	5/32
112AN08AB	W-40313	5/16	3/16	13/64	13/64	3/16
112AN10AB	W-4000	3/8	1/4	13/64	13/64	3/16
112AN13AB	W-4001	1/2	3/8	17/64	17/64	1/4
112AN16AB	W-4006	5/8	1/2	21/64	21/64	21/64
112AN19AB	W-4017	3/4	5/8	13/32	13/32	25/64
112AN22AB	W-4031	7/8	3/4	15/32	15/32	29/64
112AN28AB	W-4048	1 1/8	1	37/64	37/64	9/16
112AN35AB	W-4068	1 3/8	1 1/4	23/32	23/32	45/64
112AN42AB	W-4084	1 5/8	1 1/2	53/64	53/64	53/64
112AN54AB	W-40102	2 1/8	2	1 3/32	1 3/32	1 3/32
112AN67AB	W-40123	2 5/8	2 1/2	1 5/16	1 5/16	1 3/8
112AN80AB	W-40152	3 1/8	3	1 19/32	1 19/32	1 5/8
112AN92AB	W-40190	3 5/8	3 1/2	1 15/16	1 15/16	1 55/64
112AN105AB	W-40200	4 1/8	4	2 1/8	2 1/8	2 1/8
112AN130AB	W-40400	5 1/8	5	2 45/64	2 45/64	2 47/64
112AN156AB	W-40500	6 1/8	6	3 1/16	3 1/16	3 1/4

Reducing Tee C X C X C



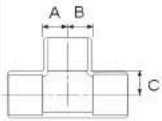
HH No.	Ref. No.	Actual Size			Nominal Size			Dimensions		
		1	2	3	1	2	3	A	B	C
115AN060610AB	W-40368	1/4	1/4	3/8	1/8	1/8	1/4	33/64	33/64	3/16
113AN060605AB	W-40308	1/4	1/4	3/16	1/8	1/8	1/16	15/32	15/32	11/32
115AN080810AB	W-40334	5/16	5/16	3/8	3/16	3/16	1/4	15/32	15/32	7/32
115AN101016AB	W-4016	3/8	3/8	5/8	1/4	1/4	1/2	13/32	13/32	15/64
113AN101013AB	W-4005	3/8	3/8	1/2	1/4	1/4	3/8	1/4	1/4	15/64
113AN101006AB	W-40324	3/8	3/8	1/4	1/4	1/4	1/8	5/32	5/32	7/32
114AN100610AB	W-40330	3/8	1/4	3/8	1/4	1/8	1/4	13/64	33/64	3/16
114AN100606AB	W-40332	3/8	1/4	1/4	1/4	1/8	1/8	5/32	3/8	7/32
115AN131316AB	W-4015	1/2	1/2	5/8	3/8	3/8	1/2	21/32	21/32	21/64
113AN131310AB	W-4002	1/2	1/2	3/8	3/8	3/8	1/4	7/32	7/32	9/32
113AN131306AB	W-40350	1/2	1/2	1/4	3/8	3/8	1/8	7/32	7/32	19/32
114AN131013AB	W-4003	1/2	3/8	1/2	3/8	1/4	3/8	17/64	9/16	1/4
114AN131010AB	W-4004	1/2	3/8	3/8	3/8	1/4	1/4	7/32	1/2	9/32
113AN131006AB	W-40358	1/2	3/8	1/4	3/8	1/4	1/8	7/32	33/64	19/32
114AN130613AB	W-40363	1/2	1/4	1/2	3/8	1/8	3/8	17/64	39/64	1/4
114AN130610AB	W-40364	1/2	1/4	3/8	3/8	1/8	1/4	7/32	21/32	19/64
114AN130606AB	W-40366	1/2	1/4	1/4	3/8	1/8	1/8	7/32	21/32	23/32
115AN161628AB	W-4067	5/8	5/8	1 1/8	1/2	1/2	1	1 5/16	1 5/16	5/8
115AN161622AB	W-4047	5/8	5/8	7/8	1/2	1/2	3/4	15/32	15/32	21/64
115AN161619AB	W-4029	5/8	5/8	3/4	1/2	1/2	5/8	29/64	29/64	13/32
113AN161613AB	W-4007	5/8	5/8	1/2	1/2	1/2	3/8	17/64	17/64	25/64
113AN161610AB	W-4008	5/8	5/8	3/8	1/2	1/2	1/4	17/64	17/64	11/16
113AN161606AB	W-4014	5/8	5/8	1/4	1/2	1/2	1/8	17/64	17/64	11/16
114AN161316AB	W-4009	5/8	1/2	5/8	1/2	3/8	1/2	21/64	5/8	21/64
114AN161313AB	W-4010	5/8	1/2	1/2	1/2	3/8	3/8	17/64	9/16	25/64
113AN161310AB	W-4011	5/8	1/2	3/8	1/2	3/8	1/4	17/64	39/64	11/16
114AN161016AB	W-4012	5/8	3/8	5/8	1/2	1/4	1/2	21/64	11/16	21/64
114AN161013AB	W-40367	5/8	3/8	1/2	1/2	1/4	3/8	17/64	39/64	25/64
114AN161010AB	W-4013	5/8	3/8	3/8	1/2	1/4	1/4	17/64	39/64	11/16
115AN191922AB	W-4046	3/4	3/4	7/8	5/8	5/8	3/4	33/64	33/64	31/64
113AN191916AB	W-4018	3/4	3/4	5/8	5/8	5/8	1/2	21/64	21/64	7/16
113AN191913AB	W-4019	3/4	3/4	1/2	5/8	5/8	3/8	21/64	21/64	53/64
114AN191910AB	W-4020	3/4	3/4	3/8	5/8	5/8	1/4	21/64	21/64	13/16
114AN191619AB	W-4021	3/4	5/8	3/4	5/8	1/2	5/8	13/32	3/4	25/64
114AN191616AB	W-4022	3/4	5/8	5/8	5/8	1/2	1/2	19/32	1 1/64	29/64
113AN191613AB	W-4023	3/4	5/8	1/2	5/8	1/2	3/8	21/64	49/64	53/64
114AN191319AB	W-4025	3/4	1/2	3/4	5/8	3/8	5/8	13/32	15/16	25/64
114AN191316AB	W-4026	3/4	1/2	5/8	5/8	3/8	1/2	21/64	57/64	7/16
114AN191313AB	W-4027	3/4	1/2	1/2	5/8	3/8	3/8	21/64	57/64	53/64
114AN221313AB	W-40232	7/8	1/2	1/2	3/4	3/8	3/8	21/64	51/64	51/64
115AN222228AB	W-4065	7/8	7/8	1 1/8	3/4	3/4	1	37/64	37/64	35/64
113AN222219AB	W-4032	7/8	7/8	3/4	3/4	3/4	5/8	15/32	15/32	27/32
113AN222216AB	W-4033	7/8	7/8	5/8	3/4	3/4	1/2	21/64	21/64	35/64
113AN222213AB	W-4034	7/8	7/8	1/2	3/4	3/4	3/8	21/64	21/64	55/64
113AN222210AB	W-4035	7/8	7/8	3/8	3/4	3/4	1/4	21/64	21/64	15/16
114AN221922AB	W-4036	7/8	3/4	7/8	3/4	5/8	3/4	15/32	23/32	29/64
114AN221919AB	W-4037	7/8	3/4	3/4	3/4	5/8	5/8	15/32	23/32	27/32
114AN221622AB	W-4041	7/8	5/8	7/8	3/4	1/2	3/4	15/32	23/32	29/64
114AN221619AB	W-4042	7/8	5/8	3/4	3/4	1/2	5/8	15/32	47/64	27/32
114AN221616AB	W-4043	7/8	5/8	5/8	3/4	1/2	1/2	21/64	23/32	35/64
113AN221613AB	W-4044	7/8	5/8	1/2	3/4	1/2	3/8	21/64	5/8	55/64
113AN221610AB	W-4045	7/8	5/8	3/8	3/4	1/2	1/4	21/64	11/16	15/16

Reducing Tee C X C X C



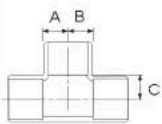
HH No.	Ref. No.	Actual Size			Nominal Size			Dimensions		
		1	2	3	1	2	3	A	B	C
114AN221322AB	W-40230	7/8	1/2	7/8	3/4	3/8	3/4	15/32	31/32	29/64
114AN221316AB	W-40231	7/8	1/2	5/8	3/4	3/8	1/2	21/64	15/16	17/32
115AN282842AB	W-40101	1 1/8	1 1/8	1 5/8	1	1	1 1/2	1 21/32	1 21/32	53/64
115AN282835AB	W-4082	1 1/8	1 1/8	1 3/8	1	1	1 1/4	11/16	11/16	37/64
113AN282822AB	W-4049	1 1/8	1 1/8	7/8	1	1	3/4	15/32	15/32	49/64
113AN282819AB	W-4050	1 1/8	1 1/8	3/4	1	1	5/8	15/32	15/32	1 1/64
113AN282816AB	W-4051	1 1/8	1 1/8	5/8	1	1	1/2	23/64	23/64	21/32
113AN282813AB	W-4052	1 1/8	1 1/8	1/2	1	1	3/8	23/64	23/64	1 3/32
114AN282228AB	W-4055	1 1/8	7/8	1 1/8	1	3/4	1	19/32	1 3/64	5/8
114AN282222AB	W-4056	1 1/8	7/8	7/8	1	3/4	3/4	15/32	49/64	49/64
113AN282219AB	W-4057	1 1/8	7/8	3/4	1	3/4	5/8	15/32	49/64	1 1/64
113AN282216AB	W-4058	1 1/8	7/8	5/8	1	3/4	1/2	23/64	41/64	21/32
113AN282213AB	W-4059	1 1/8	7/8	1/2	1	3/4	3/8	23/64	41/64	1 3/32
114AN281928AB	W-40233	1 1/8	3/4	1 1/8	1	5/8	1	37/64	1 7/32	9/16
114AN281922AB	W-40234	1 1/8	3/4	7/8	1	5/8	3/4	15/32	1 1/32	49/64
114AN281919AB	W-40235	1 1/8	3/4	3/4	1	5/8	5/8	15/32	1 1/32	1 1/16
114AN281916AB	W-40236	1 1/8	3/4	5/8	1	5/8	1/2	23/64	31/32	21/32
114AN281628AB	W-4061	1 1/8	5/8	1 1/8	1	1/2	1	37/64	1 7/32	9/16
114AN281622AB	W-4062	1 1/8	5/8	7/8	1	1/2	3/4	15/32	1 5/32	49/64
114AN281616AB	W-4063	1 1/8	5/8	5/8	1	1/2	1/2	23/64	31/32	21/32
115AN353554AB	W-40122	1 3/8	1 3/8	2 1/8	1 1/4	1 1/4	2	2 1/16	2 1/16	1 3/32
115AN353542AB	W-40100	1 3/8	1 3/8	1 5/8	1 1/4	1 1/4	1 1/2	27/32	27/32	23/32
113AN353528AB	W-4069	1 3/8	1 3/8	1 1/8	1 1/4	1 1/4	1	37/64	37/64	53/64
113AN353522AB	W-4070	1 3/8	1 3/8	7/8	1 1/4	1 1/4	3/4	29/64	29/64	13/16
113AN353516AB	W-4071	1 3/8	1 3/8	5/8	1 1/4	1 1/4	1/2	21/64	21/64	13/16
113AN353513AB	W-4072	1 3/8	1 3/8	1/2	1 1/4	1 1/4	3/8	21/64	21/64	1 3/16
114AN352835AB	W-4073	1 3/8	1 1/8	1 3/8	1 1/4	1	1 1/4	23/32	1 7/32	49/64
114AN352828AB	W-4074	1 3/8	1 1/8	1 1/8	1 1/4	1	1	19/32	1 1/8	53/64
113AN352822AB	W-4075	1 3/8	1 1/8	7/8	1 1/4	1	3/4	29/64	59/64	13/16
113AN352816AB	W-4076	1 3/8	1 1/8	5/8	1 1/4	1	1/2	21/64	51/64	13/16
114AN352235AB	W-4078	1 3/8	7/8	1 3/8	1 1/4	3/4	1 1/4	23/32	1 9/16	25/32
114AN352228AB	W-4079	1 3/8	7/8	1 1/8	1 1/4	3/4	1	19/32	1 27/64	1 3/16
114AN352222AB	W-4080	1 3/8	7/8	7/8	1 1/4	3/4	3/4	29/64	1 7/64	1 3/16
113AN352216AB	W-4081	1 3/8	7/8	5/8	1 1/4	3/4	1/2	23/64	59/64	49/64
114AN351635AB	W-4083	1 3/8	5/8	1 3/8	1 1/4	1/2	1 1/4	23/32	1 5/8	11/16
115AN424254AB	W-40121	1 5/8	1 5/8	2 1/8	1 1/2	1 1/2	2	1 1/16	1 1/16	57/64
113AN424235AB	W-4085	1 5/8	1 5/8	1 3/8	1 1/2	1 1/2	1 1/4	45/64	45/64	15/16
113AN424228AB	W-4086	1 5/8	1 5/8	1 1/8	1 1/2	1 1/2	1	45/64	45/64	1 19/32
113AN424222AB	W-4087	1 5/8	1 5/8	7/8	1 1/2	1 1/2	3/4	45/64	45/64	1 53/64
113AN424216AB	W-4088	1 5/8	1 5/8	5/8	1 1/2	1 1/2	1/2	45/64	45/64	1 57/64
113AN424213AB	W-4089	1 5/8	1 5/8	1/2	1 1/2	1 1/2	3/8	45/64	45/64	2
114AN423542AB	W-4090	1 5/8	1 3/8	1 5/8	1 1/2	1 1/4	1 1/2	27/32	1 3/16	53/64
113AN423535AB	W-4091	1 5/8	1 3/8	1 3/8	1 1/2	1 1/4	1 1/4	45/64	1 3/16	15/16
113AN423528AB	W-4092	1 5/8	1 3/8	1 1/8	1 1/2	1 1/4	1	45/64	1 3/16	1 15/32
113AN423522AB	W-4093	1 5/8	1 3/8	7/8	1 1/2	1 1/4	3/4	45/64	1 21/64	1 5/8
113AN423516AB	W-4094	1 5/8	1 3/8	5/8	1 1/2	1 1/4	1/2	45/64	1 21/64	1 49/64
114AN422842AB	W-4095	1 5/8	1 1/8	1 5/8	1 1/2	1	1 1/2	53/64	1 23/32	53/64
114AN422835AB	W-4096	1 5/8	1 1/8	1 3/8	1 1/2	1	1 1/4	23/32	1 29/64	15/16
114AN422828AB	W-4097	1 5/8	1 1/8	1 1/8	1 1/2	1	1	23/32	1 29/64	1 19/32
113AN422822AB	W-4098	1 5/8	1 1/8	7/8	1 1/2	1	3/4	23/32	1 29/64	1 53/64
113AN422816AB	W-40237	1 5/8	1 1/8	5/8	1 1/2	1	1/2	23/32	1 11/16	1 61/64
114AN422242AB	W-4099	1 5/8	7/8	1 5/8	1 1/2	3/4	1 1/2	27/32	2 1/8	53/64

Reducing Tee C X C X C



HH No.	Ref. No.	Actual Size			Nominal Size			Dimensions		
		1	2	3	1	2	3	A	B	C
114AN422235AB	W-40239	1 5/8	7/8	1 3/8	1 1/2	3/4	1 1/4	23/32	1 11/16	15/16
114AN422228AB	W-40240	1 5/8	7/8	1 1/8	1 1/2	3/4	1	23/32	1 11/16	1 19/32
114AN422222AB	W-40238	1 5/8	7/8	7/8	1 1/2	3/4	3/4	23/32	1 11/16	1 53/64
113AN422216AB	W-40243	1 5/8	7/8	5/8	1 1/2	3/4	1/2	23/32	1 29/64	1 61/64
114AN421642AB	W-40244	1 5/8	5/8	1 5/8	1 1/2	1/2	1 1/2	27/32	2 1/4	53/64
115AN545480AB	W-40153	2 1/8	2 1/8	3 1/8	2	2	3	1 13/16	1 13/16	1 3/32
115AN545467AB	W-40144	2 1/8	2 1/8	2 5/8	2	2	2 1/2	1 11/32	1 11/32	1 3/32
113AN545442AB	W-40103	2 1/8	2 1/8	1 5/8	2	2	1 1/2	27/32	27/32	1 13/64
113AN545435AB	W-40104	2 1/8	2 1/8	1 3/8	2	2	1 1/4	27/32	27/32	1 27/32
113AN545428AB	W-40105	2 1/8	2 1/8	1 1/8	2	2	1	37/64	37/64	1 9/32
113AN545422AB	W-40106	2 1/8	2 1/8	7/8	2	2	3/4	37/64	37/64	1 11/16
113AN545416AB	W-40107	2 1/8	2 1/8	5/8	2	2	1/2	37/64	37/64	1 15/16
113AN545413AB	W-40108	2 1/8	2 1/8	1/2	2	2	3/8	37/64	37/64	2 1/64
114AN544254AB	W-40109	2 1/8	1 5/8	2 1/8	2	1 1/2	2	1 3/32	1 63/64	1 3/32
114AN544242AB	W-40110	2 1/8	1 5/8	1 5/8	2	1 1/2	1 1/2	27/32	1 23/32	1 7/32
113AN544235AB	W-40111	2 1/8	1 5/8	1 3/8	2	1 1/2	1 1/4	27/32	1 23/32	1 27/32
113AN544228AB	W-40112	2 1/8	1 5/8	1 1/8	2	1 1/2	1	37/64	1 29/64	1 19/64
113AN544222AB	W-40113	2 1/8	1 5/8	7/8	2	1 1/2	3/4	37/64	1 29/64	1 11/16
113AN544216AB	W-40114	2 1/8	1 5/8	5/8	2	1 1/2	1/2	37/64	1 9/16	1 15/16
114AN543554AB	W-40115	2 1/8	1 3/8	2 1/8	2	1 1/4	2	1 7/64	2 3/64	1 7/64
114AN543542AB	W-40116	2 1/8	1 3/8	1 5/8	2	1 1/4	1 1/2	27/32	1 27/32	1 7/32
114AN543535AB	W-40117	2 1/8	1 3/8	1 3/8	2	1 1/4	1 1/4	27/32	1 27/32	1 27/32
113AN543528AB	W-40118	2 1/8	1 3/8	1 1/8	2	1 1/4	1	19/32	1 37/64	1 5/16
113AN543522AB	W-40119	2 1/8	1 3/8	7/8	2	1 1/4	3/4	37/64	1 19/32	1 11/16
113AN543516AB	W-40120	2 1/8	1 3/8	5/8	2	1 1/4	1/2	37/64	1 19/32	1 15/16
114AN542854AB	W-40245	2 1/8	1 1/8	2 1/8	2	1	2	19/32	2 61/64	1 9/32
114AN542828AB	W-40247	2 1/8	1 1/8	1 1/8	2	1	1	1 3/32	2 17/32	1 1/8
114AN542254AB	W-40248	2 1/8	7/8	2 1/8	2	3/4	2	1 3/32	2 11/16	1 1/8
114AN541654AB	W-40249	2 1/8	5/8	2 1/8	2	1/2	2	1 3/32	2 23/32	1 1/8
115AN676780AB	W-40124	2 5/8	2 5/8	3 1/8	2 1/2	2 1/2	3			
113AN676754AB	W-40124	2 5/8	2 5/8	2 1/8	2 1/2	2 1/2	2	1 3/32	1 3/32	1 17/32
113AN676742AB	W-40125	2 5/8	2 5/8	1 5/8	2 1/2	2 1/2	1 1/2	1 3/32	1 3/32	2 5/16
113AN676735AB	W-40126	2 5/8	2 5/8	1 3/8	2 1/2	2 1/2	1 1/4	1 3/32	1 3/32	2 1/2
113AN676728AB	W-40127	2 5/8	2 5/8	1 1/8	2 1/2	2 1/2	1	1 3/32	1 3/32	2 25/32
113AN676722AB	W-40128	2 5/8	2 5/8	7/8	2 1/2	2 1/2	3/4	1 3/32	1 3/32	2 55/64
113AN676716AB	W-40129	2 5/8	2 5/8	5/8	2 1/2	2 1/2	1/2	1 3/32	1 3/32	3
114AN675467AB	W-40130	2 5/8	2 1/8	2 5/8	2 1/2	2	2 1/2	1 5/16	2 7/16	1 3/8
114AN675454AB	W-40131	2 5/8	2 1/8	2 1/8	2 1/2	2	2	1 5/64	2 11/64	1 1/2
113AN675442AB	W-40132	2 5/8	2 1/8	1 5/8	2 1/2	2	1 1/2	1 5/64	2 11/64	2 7/16
113AN675435AB	W-40133	2 5/8	2 1/8	1 3/8	2 1/2	2	1 1/4	1 5/64	2 11/64	2 5/8
113AN675428AB	W-40134	2 5/8	2 1/8	1 1/8	2 1/2	2	1	1 5/64	2 11/64	2 51/64
113AN675422AB	W-40135	2 5/8	2 1/8	7/8	2 1/2	2	3/4	1 5/64	2 11/64	3 1/32
113AN675416AB	W-40136	2 5/8	2 1/8	5/8	2 1/2	2	1/2	1 5/64	2 11/64	3 3/16
114AN674267AB	W-40137	2 5/8	1 5/8	2 5/8	2 1/2	1 1/2	2 1/2	1 5/16	2 49/64	1 3/8
114AN674254AB	W-40138	2 5/8	1 5/8	2 1/8	2 1/2	1 1/2	2	1 3/32	2 27/64	1 1/2
114AN674242AB	W-40139	2 5/8	1 5/8	1 5/8	2 1/2	1 1/2	1 1/2	1 3/32	2 27/64	2 7/16
113AN674235AB	W-40140	2 5/8	1 5/8	1 3/8	2 1/2	1 1/2	1 1/4	1 3/32	2 27/64	2 9/16
113AN674228AB	W-40141	2 5/8	1 5/8	1 1/8	2 1/2	1 1/2	1	1 3/32	2 27/64	2 51/64
113AN674222AB	W-40142	2 5/8	1 5/8	7/8	2 1/2	1 1/2	3/4	1 3/32	2 27/64	2 29/32
113AN674216AB	W-40143	2 5/8	1 5/8	5/8	2 1/2	1 1/2	1/2	1 3/32	2 27/64	3 1/64
114AN673567AB	W-40220	2 5/8	1 3/8	2 5/8	2 1/2	1 1/4	2 1/2	1 5/16	2 7/8	1 3/8
114AN673554AB	W-40250	2 5/8	1 3/8	2 1/8	2 1/2	1 1/4	2	1 3/32	2 35/64	1 1/2

Reducing Tee C X C X C



HH No.	Ref. No.	Actual Size			Nominal Size			Dimensions		
		1	2	3	1	2	3	A	B	C
114AN673542AB	W-40251	2 5/8	1 3/8	1 5/8	2 1/2	1 1/4	1 1/2	1 3/32	2 35/64	2 7/16
114AN673535AB	W-40252	2 5/8	1 3/8	1 3/8	2 1/2	1 1/4	1 1/4	1 3/32	2 35/64	2 5/8
113AN673528AB	W-40253	2 5/8	1 3/8	1 1/8	2 1/2	1 1/4	1	1 3/32	2 35/64	2 3/4
113AN673522AB	W-40254	2 5/8	1 3/8	7/8	2 1/2	1 1/4	3/4	1 3/32	2 35/64	2 27/32
113AN673516AB	W-40255	2 5/8	1 3/8	5/8	2 1/2	1 1/4	1/2	1 3/32	2 35/64	2 31/32
114AN672867AB	W-40221	2 5/8	1 1/8	2 5/8	2 1/2	1	2 1/2	1 5/16	3	1 29/64
114AN672854AB	W-40256	2 5/8	1 1/8	2 1/8	2 1/2	1	2	1 5/64	2 23/32	1 1/2
114AN672842AB	W-40257	2 5/8	1 1/8	1 5/8	2 1/2	1	1 1/2	1 3/32	2 23/32	2 7/16
114AN672835AB	W-40258	2 5/8	1 1/8	1 3/8	2 1/2	1	1 1/4	1 3/32	2 11/16	2 1/2
114AN672828AB	W-40259	2 5/8	1 1/8	1 1/8	2 1/2	1	1	1 5/64	2 23/32	2 3/4
114AN672267AB	W-40222	2 5/8	7/8	2 5/8	2 1/2	3/4	2 1/2	1 5/16	3 5/16	1 3/8
113AN808067AB	W-40151	3 1/8	3 1/8	2 5/8	3	3	2 1/2	1 19/32	1 19/32	2 31/32
113AN808054AB	W-40150	3 1/8	3 1/8	2 1/8	3	3	2	1 5/64	1 5/64	1 25/32
113AN808042AB	W-40149	3 1/8	3 1/8	1 5/8	3	3	1 1/2	1 5/64	1 5/64	2 3/4
113AN808035AB	W-40148	3 1/8	3 1/8	1 3/8	3	3	1 1/4	1 5/64	1 5/64	3
113AN808028AB	W-40147	3 1/8	3 1/8	1 1/8	3	3	1	23/32	23/32	1 55/64
113AN808022AB	W-40146	3 1/8	3 1/8	7/8	3	3	3/4	23/32	23/32	2 11/32
113AN808016AB	W-40145	3 1/8	3 1/8	5/8	3	3	1/2	23/32	23/32	2 17/32
114AN806780AB	W-40159	3 1/8	2 5/8	3 1/8	3	2 1/2	3	1 19/32	2 3/4	1 5/8
114AN806767AB	W-40158	3 1/8	2 5/8	2 5/8	3	2 1/2	2 1/2	1 19/32	2 13/16	2 27/32
113AN806754AB	W-40157	3 1/8	2 5/8	2 1/8	3	2 1/2	2	1 5/64	2 5/32	1 25/32
113AN806742AB	W-40156	3 1/8	2 5/8	1 5/8	3	2 1/2	1 1/2	1 5/64	2 5/32	2 11/16
113AN806735AB	W-40155	3 1/8	2 5/8	1 3/8	3	2 1/2	1 1/4	1 5/64	2 5/32	2 51/64
113AN806728AB	W-40154	3 1/8	2 5/8	1 1/8	3	2 1/2	1	23/32	1 11/16	2
114AN805480AB	W-40167	3 1/8	2 1/8	3 1/8	3	2	3	1 19/32	3 1/16	1 41/64
114AN805467AB	W-40165	3 1/8	2 1/8	2 5/8	3	2	2 1/2	1 19/32	3 3/16	2 27/32
114AN805454AB	W-40164	3 1/8	2 1/8	2 1/8	3	2	2	1 5/64	2 17/32	1 25/32
113AN805442AB	W-40163	3 1/8	2 1/8	1 5/8	3	2	1 1/2	1 5/64	2 19/32	2 3/4
113AN805435AB	W-40162	3 1/8	2 1/8	1 3/8	3	2	1 1/4	1 5/64	2 17/64	2 7/8
113AN805428AB	W-40161	3 1/8	2 1/8	1 1/8	3	2	1	23/32	2 1/8	2
114AN804280AB	W-40174	3 1/8	1 5/8	3 1/8	3	1 1/2	3	1 21/32	3 7/16	1 5/8
114AN803580AB	W-40181	3 1/8	1 3/8	3 1/8	3	1 1/4	3	1 19/32	3 7/16	1 5/8
114AN802880AB	W-40178	3 1/8	1 1/8	3 1/8	3	1	3	1 19/32	3 1/2	1 41/64
114AN802280AB	W-40179	3 1/8	7/8	3 1/8	3	3/4	3	1 19/32	3 21/32	1 5/8
113AN10510580AB	W-40198	4 1/8	4 1/8	3 1/8	4	4	3	1 19/32	1 19/32	2 41/64
113AN10510567AB	W-40197	4 1/8	4 1/8	2 5/8	4	4	2 1/2	1 19/32	1 19/32	3 13/64
113AN10510554AB	W-40196	4 1/8	4 1/8	2 1/8	4	4	2	1 1/16	1 1/16	2 23/64
113AN10510542AB	W-40195	4 1/8	4 1/8	1 5/8	4	4	1 1/2	1 1/16	1 1/16	3 7/32
113AN10510535AB	W-40194	4 1/8	4 1/8	1 3/8	4	4	1 1/4	1 1/16	1 1/16	3 5/8
113AN10510528AB	W-40193	4 1/8	4 1/8	1 1/8	4	4	1	37/64	37/64	2 37/64
113AN10510522AB	W-40192	4 1/8	4 1/8	7/8	4	4	3/4	9/16	9/16	3 1/16
113AN10510516AB	W-40191	4 1/8	4 1/8	5/8	4	4	1/2	9/16	9/16	2 63/64
114AN10580105AB	W-40208	4 1/8	3 1/8	4 1/8	4	3	4	2 1/8	3 3/4	2 13/64
114AN1058080AB	W-40206	4 1/8	3 1/8	3 1/8	4	3	3	1 19/32	3 1/8	2 41/64
113AN1058067AB	W-40205	4 1/8	3 1/8	2 5/8	4	3	2 1/2	1 19/32	3 1/8	2 13/64
113AN1058054AB	W-40204	4 1/8	3 1/8	2 1/8	4	3	2	1 1/16	2 5/8	2 15/32
114AN10567105AB	W-40212	4 1/8	2 5/8	4 1/8	4	2 1/2	4	2 1/8	3 15/16	2 13/64
114AN10554105AB	W-40216	4 1/8	2 1/8	4 1/8	4	2	4	2 1/8	2 11/64	2 13/64
114AN10542105AB	W-40215	4 1/8	1 5/8	4 1/8	4	1 1/2	4	2 1/8	4 27/64	2 13/64
114AN10535105AB	W-40214	4 1/8	1 3/8	4 1/8	4	1 1/4	4	2 1/8	4 35/64	2 3/16
114AN10528105AB	W-40213	4 1/8	1 1/8	4 1/8	4	1	4	2 1/8	4 43/64	2 13/64
113AN15615680AB	W-40503	6 1/8	6 1/8	3 1/8	6	6	3	1 3/4	1 3/4	3 47/64
113AN15615667AB	W-40504	6 1/8	6 1/8	2 5/8	6	6	2 1/2	1 3/4	1 3/4	4 51/64
113AN15615654AB	W-40505	6 1/8	6 1/8	2 1/8	6	6	2	1 3/4	1 3/4	4 59/64