



NDL Industries

APPLICATIONS

Commercial, Industrial, and Residential HVAC and Refrigeration

P/AC Copper Sweat Fittings (EU)

Innovative HVAC-R Products with High-Quality Performance





P/AC Copper Sweat Fittings

Table of Contents

Product Information	1
Female Adapters	2, 3
Female Street Adapters	3
Male Adapters	3, 4, 5
Male Street Adapters	5
Reducing Bushings	5, 6, 7
Caps	7
No Stop Couplings	7, 8
Reducing Couplings	8, 9
Roll Stop Couplings	9, 10
Stake Stop Couplings	10
45° Elbows	11
45° Street Elbows	11
90° Long Radius Elbows	12
90° Long Radius Street Elbows	12
90° Short Radius Elbows	13
90° Short Radius Street Elbows	13
P-Traps	14
Reducing Tees	14, 15, 16, 17, 18, 19
Tees	19
Tube Straps	19, 20
Unions	20



P/AC Copper Sweat Fittings

Innovative HVAC-R Products with High-Quality Performance

- NDL ensures copper quality content and strict adherence to meet or exceed ASME B16 .22 standards for wall thickness.
- Each fitting is marked with OD size for easy field identification.
- Fittings are poly-bagged within the box, keeping them clean and contaminant-free prior to installation.
- The fittings have tight tolerances on the cup side for a stronger joint with the tube and -sler brazing.
- Our copper fittings have zero reported failures since 1999.

Certifications and Approvals

- ANSI/ASME B16.22, B16.29, B16.18, B16.15, B16.26, B16.24, and B16.23
- CRN-Approved

Symbols

- C** Copper (cup) manufactured to receive copper tube diameter
- FTG** Fittings end made to copper tube diameter
- F** Female, internal ANSI Standard taper pipe thr-d (NPTI)
- M** Male, external ANSI Standard taper pipe thr-d (NPTE)
- OD** Outer diameter





Female Adapters (C x F)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1204	1/4" x 1/2" Female Adapter	-	0.099	44.9
N-1205	1/4" x 3/8" Female Adapter	-	0.051	23.1
N-1206	1/4" x 1/4" Female Adapter	-	0.051	23.1
N-1207	1/4" x 1/8" Female Adapter	-	0.033	15.0
N-1214	3/8" x 3/8" Female Adapter	-	0.051	23.1
N-1215	3/8" x 1/4" Female Adapter	50	0.033	15.0
N-1216	3/8" x 1/8" Female Adapter	-	0.029	13.2
N-1223	1/2" x 3/4" Female Adapter	-	0.106	48.1
N-1224	1/2" x 1/2" Female Adapter	25	0.090	40.8
N-1225	1/2" x 3/8" Female Adapter	50	0.059	26.8
N-1226	1/2" x 1/4" Female Adapter	-	0.033	15.0
N-1230	5/8" x 3/4" Female Adapter	25	0.110	49.9
N-1231	5/8" x 1/2" Female Adapter	25	0.064	29.0
N-1232	5/8" x 3/8" Female Adapter	25	0.079	35.8
N-1233	5/8" x 1/4" Female Adapter	25	0.051	23.1
N-1238	3/4" x 3/4" Female Adapter	-	0.141	64.0
N-1239	3/4" x 1/2" Female Adapter	-	0.110	49.9
N-1245	7/8" x 1" Female Adapter	-	0.231	104.8
N-1246	7/8" x 3/4" Female Adapter	25	0.095	43.1
N-1247	7/8" x 1/2" Female Adapter	25	0.090	40.8
N-1261	1-1/8" x 1-1/4" Female Adapter	10	0.330	149.7
N-1263	1-1/8" x 1" Female Adapter	20	0.165	74.8
N-1264	1-1/8" x 3/4" Female Adapter	20	0.200	90.7
N-1265	1-1/8" x 1/2" Female Adapter	10	0.231	104.8
N-1270	1-3/8" x 1-1/2" Female Adapter	5	0.480	217.7
N-1271	1-3/8" x 1-1/4" Female Adapter	10	0.275	124.7
N-1272	1-3/8" x 1" Female Adapter	-	0.260	117.9
N-1278	1-5/8" x 2" Female Adapter	-	0.610	276.7
N-1279	1-5/8" x 1-1/2" Female Adapter	10	0.392	177.8
N-1280	1-5/8" x 1-1/4" Female Adapter	10	0.381	172.8
N-1287	2-1/8" x 2" Female Adapter	2	0.612	277.6
N-1288	2-1/8" x 1-1/2" Female Adapter	-	0.709	321.6



Female Adapters (C x F) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1296	2-5/8" x 2-1/2" Female Adapter	1	1.326	601.5
N-1297	3-1/8" x 3" Female Adapter	1	2.022	917.2
N-1250	4-1/8" x 4" Female Adapter	-	2.974	1,348.9



Female Street Adapters (FTG x F)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1514	3/8" x 3/8" Female Street Adapter	-	0.051	23.1
N-1524	1/2" x 1/2" Female Street Adapter	-	0.090	40.8
N-1525	1/2" x 3/8" Female Street Adapter	-	0.044	20.0
N-1526	1/2" x 1/4" Female Street Adapter	-	0.044	20.0
N-1531	5/8" x 1/2" Female Street Adapter	25	0.070	31.8
N-1532	5/8" x 3/8" Female Street Adapter	25	0.079	35.8
N-1546	7/8" x 3/4" Female Street Adapter	20	0.128	58.0
N-1547	7/8" x 1/2" Female Street Adapter	-	0.090	40.8
N-1563	1-1/8" x 1" Female Street Adapter	10	0.229	103.9
N-1564	1-1/8" x 3/4" Female Street Adapter	-	0.176	79.8
N-1571	1-3/8" x 1-1/4" Female Street Adapter	10	0.330	149.7
N-1579	1-5/8" x 1-1/2" Female Street Adapter	10	0.460	208.7
N-1587	2-1/8" x 2" Female Street Adapter	1	0.709	321.6
N-1596	2-5/8" x 2-1/2" Female Street Adapter	-	1.366	619.6



Male Adapters (C x M)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1105	1/4" x 3/8" Male Adapter	-	0.040	18.1
N-1106	1/4" x 1/4" Male Adapter	-	0.040	18.1
N-1107	1/4" x 1/8" Male Adapter	50	0.022	10.0
N-1109	5/16 x 1/8" Male Adapter	-	0.035	15.9
N-1110	5/16 x 1/4" Male Adapter	-	0.033	15.0
N-1113	3/8" x 1/2" Male Adapter	-	0.079	35.8
N-1114	3/8" x 3/8" Male Adapter	-	0.042	19.1
N-1115	3/8" x 1/4" Male Adapter	-	0.031	14.1



Male Adapters (C x M) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1116	3/8" x 1/8" Male Adapter	5	0.040	18.1
N-1123	1/2" x 3/4" Male Adapter	-	0.128	58.1
N-1124	1/2" x 1/2" Male Adapter	25	0.079	35.8
N-1125	1/2" x 3/8" Male Adapter	50	0.044	20.0
N-1126	1/2" x 1/4" Male Adapter	-	0.033	15.0
N-1129	5/8" x 1" Male Adapter	-	0.251	113.9
N-1130	5/8" x 3/4" Male Adapter	25	0.130	59.0
N-1131	5/8" x 1/2" Male Adapter	25	0.064	29.0
N-1132	5/8" x 3/8" Male Adapter	50	0.079	35.8
N-1133	5/8" x 1/4" Male Adapter	50	0.040	18.0
N-1138	3/4" x 3/4" Male Adapter	-	0.141	64.0
N-1139	3/4" x 1/2" Male Adapter	-	0.084	38.1
N-1145	7/8" x 1" Male Adapter	10	0.220	100.0
N-1146	7/8" x 3/4" Male Adapter	25	0.093	42.2
N-1147	7/8" x 1/2" Male Adapter	25	0.130	59.0
N-1161	1-1/8" x 1-1/2" Male Adapter	-	0.280	127.0
N-1162	1-1/8" x 1-1/4" Male Adapter	10	0.381	172.8
N-1163	1-1/8" x 1" Male Adapter	20	0.152	68.9
N-1164	1-1/8" x 3/4" Male Adapter	25	0.189	85.7
N-1165	1-1/8" x 1/2" Male Adapter	25	0.161	73.0
N-1170	1-3/8" x 1-1/2" Male Adapter	-	0.520	235.9
N-1171	1-3/8" x 1-1/4" Male Adapter	10	0.253	114.8
N-1172	1-3/8" x 1" Male Adapter	10	0.280	127.0
N-1173	1-3/8" x 3/4" Male Adapter	-	0.260	117.9
N-1178	1-5/8" x 2" Male Adapter	-	0.800	362.9
N-1179	1-5/8" x 1-1/2" Male Adapter	10	0.341	154.7
N-1180	1-5/8" x 1-1/4" Male Adapter	10	0.450	204.0
N-1181	1-5/8" x 1" Male Adapter	5	0.469	212.7
N-1187	2-1/8" x 2" Male Adapter	2	0.518	235.0
N-1188	2-1/8" x 1-1/2" Male Adapter	-	0.771	349.7
N-1189	2-1/8" x 1-1/4" Male Adapter	-	0.709	321.6
N-1196	2-5/8" x 2-1/2" Male Adapter	1	1.291	585.6
N-1197	2-5/8" x 2" Male Adapter	-	1.000	453.6



Male Adapters (C x M) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1198	2-5/8" x 1-1/2" Male Adapter	-	0.991	449.5
N-1199	3-1/8" x 3" Male Adapter	1	2.020	916.3
N-1150	4-1/8" x 4" Male Adapter	1	2.974	1349.0



Male Street Adapters (FTG x M)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1414	3/8" x 3/8" Male Street Adapter	-	0.048	21.8
N-1425	1/2" x 3/8" Male Street Adapter	-	0.051	23.1
N-1431	5/8" x 1/2" Male Street Adapter	25	0.066	30.0
N-1432	5/8" x 3/8" Male Street Adapter	-	0.077	34.9
N-1446	7/8" x 3/4" Male Street Adapter	20	0.161	73.0
N-1447	7/8" x 1/2" Male Street Adapter	-	0.154	69.9
N-1463	1-1/8" x 1" Male Street Adapter	10	0.240	108.9
N-1464	1-1/8" x 3/4" Male Street Adapter	-	0.198	89.8
N-1471	1-3/8" x 1-1/4" Male Street Adapter	-	0.390	176.9
N-1479	1-5/8" x 1-1/2" Male Street Adapter	-	0.480	217.7
N-1487	2-1/8" x 2" Male Street Adapter	-	0.800	362.9
N-1496	2-5/8" x 2-1/2" Male Street Adapter	-	1.432	649.5



Reducing Bushings (FTG x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1306	3/8" x 1/4" Reducing Bushing	100	0.008	3.6
N-1312	1/2" x 3/8" Reducing Bushing	100	0.011	5.0
N-1314	1/2" x 1/4" Reducing Bushing	100	0.011	5.0
N-1315	5/8" x 1/2" Reducing Bushing	100	0.020	9.1
N-1317	5/8" x 3/8" Reducing Bushing	100	0.020	9.1
N-1318	5/8" x 1/4" Reducing Bushing	100	0.020	9.1
N-1320	3/4" x 5/8" Reducing Bushing	50	0.031	14.1
N-1321	3/4" x 1/2" Reducing Bushing	50	0.031	14.1
N-1322	3/4" x 3/8" Reducing Bushing	50	0.031	14.1
N-1325	7/8" x 3/4" Reducing Bushing	50	0.044	20.0



Reducing Bushings (FTG x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1326	7/8" x 5/8" Reducing Bushing	50	0.044	20.0
N-1327	7/8" x 1/2" Reducing Bushing	50	0.044	20.0
N-1328	7/8" x 3/8" Reducing Bushing	50	0.044	20.0
N-1337	1-1/8" x 7/8" Reducing Bushing	25	0.093	42.2
N-1338	1-1/8" x 3/4" Reducing Bushing	25	0.088	39.9
N-1339	1-1/8" x 5/8" Reducing Bushing	25	0.077	34.9
N-1340	1-1/8" x 1/2" Reducing Bushing	25	0.077	34.9
N-1341	1-1/8" x 3/8" Reducing Bushing	25	0.077	34.9
N-1343	1-3/8" x 1-1/8" Reducing Bushing	25	0.137	62.1
N-1345	1-3/8" x 7/8" Reducing Bushing	25	0.115	52.2
N-1347	1-3/8" x 5/8" Reducing Bushing	25	0.110	49.9
N-1350	1-5/8" x 1-3/8" Reducing Bushing	10	0.209	94.8
N-1351	1-5/8" x 1-1/8" Reducing Bushing	10	0.187	84.8
N-1353	1-5/8" x 7/8" Reducing Bushing	10	0.167	75.7
N-1355	1-5/8" x 5/8" Reducing Bushing	10	0.167	75.7
N-1358	2-1/8" x 1-5/8" Reducing Bushing	10	0.330	149.7
N-1359	2-1/8" x 1-3/8" Reducing Bushing	10	0.315	142.9
N-1360	2-1/8" x 1-1/8" Reducing Bushing	10	0.313	142.0
N-1362	2-1/8" x 7/8" Reducing Bushing	10	0.308	139.7
N-1364	2-1/8" x 5/8" Reducing Bushing	10	0.308	139.7
N-1367	2-5/8" x 2-1/8" Reducing Bushing	1	0.595	269.9
N-1368	2-5/8" x 1-5/8" Reducing Bushing	1	0.595	269.9
N-1369	2-5/8" x 1-3/8" Reducing Bushing	1	0.595	269.9
N-1370	2-5/8" x 1-1/8" Reducing Bushing	1	0.595	269.9
N-1376	3-1/8" x 2-5/8" Reducing Bushing	1	0.881	399.6
N-1377	3-1/8" x 2-1/8" Reducing Bushing	1	0.881	399.6
N-1378	3-1/8" x 1-5/8" Reducing Bushing	1	0.881	399.6
N-1379	3-1/8" x 1-3/8" Reducing Bushing	1	0.881	399.6
N-1381	3-5/8" x 3-1/8" Reducing Bushing	1	1.322	599.6
N-1382	3-5/8" x 2-5/8" Reducing Bushing	1	1.322	599.6
N-1383	3-5/8" x 2-1/8" Reducing Bushing	1	1.322	599.6
N-1386	4-1/8" x 3-5/8" Reducing Bushing	1	1.982	899.0
N-1387	4-1/8" x 3-1/8" Reducing Bushing	1	1.982	899.0



Reducing Bushings (FTG x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1388	4-1/8" x 2-5/8" Reducing Bushing	1	899.0	20.0
N-1389	4-1/8" x 2-1/8" Reducing Bushing	1	899.0	20.0



Caps

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-7002	1/4" Cap	100	0.003	1.4
N-7004	3/8" Cap	100	0.005	2.3
N-7006	1/2" Cap	100	0.009	4.1
N-7007	5/8" Cap	100	0.015	6.8
N-7008	3/4" Cap	50	0.026	11.8
N-7009	7/8" Cap	50	0.033	15.0
N-7011	1-1/8" Cap	25	0.066	29.9
N-7012	1-3/8" Cap	10	0.104	47.2
N-7013	1-5/8" Cap	10	0.148	67.1
N-7014	2-1/8" Cap	5	0.264	119.7
N-7015	2-5/8" Cap	1	0.441	200.0
N-7016	3-1/8" Cap	1	0.540	244.9
N-7017	3-5/8" Cap	1	1.101	499.4
N-7018	4-1/8" Cap	1	1.256	569.7
N-2115	6-1/8" Cap	-	4.405	1998.1



No Stop Couplings (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1900	1/4" No Stop Coupling	100	0.004	1.8
N-1901	3/8" No Stop Coupling	100	0.007	3.2
N-1902	1/2" No Stop Coupling	100	0.013	5.9
N-1903	5/8" No Stop Coupling	100	0.022	10.0
N-1904	3/4" No Stop Coupling	50	0.036	16.3
N-1905	7/8" No Stop Coupling	50	0.051	23.1
N-1906	1-1/8" No Stop Coupling	25	0.101	45.8
N-1907	1-3/8" No Stop Coupling	10	0.139	63.0



No Stop Couplings (C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1908	1-5/8" No Stop Coupling	100	0.209	94.8
N-1909	2-1/8" No Stop Coupling	100	0.379	171.9
N-1910	2-5/8" No Stop Coupling	100	0.595	269.9
N-1911	3-1/8" No Stop Coupling	100	0.903	409.6
N-1912	3-5/8" No Stop Coupling	50	1.322	599.6
N-1913	4-1/8" No Stop Coupling	50	1.903	863.2



Reducing Couplings (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1010	3/8" x 5/16" Reducing Coupling	100	0.008	3.629
N-1011	3/8" x 1/4" Reducing Coupling	100	0.008	3.629
N-1019	1/2" x 3/8" Reducing Coupling	100	0.012	5.443
N-1021	1/2" x 1/4" Reducing Coupling	100	0.013	5.897
N-1023	5/8" x 1/2" Reducing Coupling	100	0.022	9.979
N-1025	5/8" x 3/8" Reducing Coupling	100	0.023	10.433
N-1027	5/8" x 1/4" Reducing Coupling	100	0.023	10.433
N-1029	3/4" x 5/8" Reducing Coupling	50	0.035	15.876
N-1030	3/4" x 1/2" Reducing Coupling	50	0.035	15.876
N-1031	3/4" x 3/8" Reducing Coupling	50	0.035	15.876
N-1035	7/8" x 3/4" Reducing Coupling	50	0.048	21.772
N-1036	7/8" x 5/8" Reducing Coupling	50	0.048	21.772
N-1037	7/8" x 1/2" Reducing Coupling	50	0.048	21.772
N-1038	7/8" x 3/8" Reducing Coupling	50	0.048	21.772
N-1049	1-1/8" x 7/8" Reducing Coupling	25	0.099	44.906
N-1050	1-1/8" x 3/4" Reducing Coupling	25	0.084	38.102
N-1051	1-1/8" x 5/8" Reducing Coupling	25	0.084	38.102
N-1052	1-1/8" x 1/2" Reducing Coupling	25	0.077	34.927
N-1053	1-1/8" x 3/8" Reducing Coupling	25	0.077	34.927
N-1056	1-3/8" x 1-1/8" Reducing Coupling	25	0.137	62.142
N-1058	1-3/8" x 7/8" Reducing Coupling	25	0.115	52.163
N-1059	1-3/8" x 3/4" Reducing Coupling	25	0.137	62.142



Reducing Couplings (C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1060	1-3/8" x 5/8" Reducing Coupling	25	0.137	62.142
N-1061	1-3/8" x 1/2" Reducing Coupling	25	0.137	62.142
N-1064	1-5/8" x 1-3/8" Reducing Coupling	10	0.198	89.811
N-1065	1-5/8" x 1-1/8" Reducing Coupling	10	0.187	84.822
N-1067	1-5/8" x 7/8" Reducing Coupling	10	0.178	80.739
N-1068	1-5/8" x 3/4" Reducing Coupling	10	0.163	73.935
N-1069	1-5/8" x 5/8" Reducing Coupling	10	0.163	73.935
N-1073	2-1/8" x 1-5/8" Reducing Coupling	10	0.335	151.953
N-1074	2-1/8" x 1-3/8" Reducing Coupling	10	0.330	149.685
N-1077	2-1/8" x 7/8" Reducing Coupling	10	0.308	139.706
N-1078	2-1/8" x 3/4" Reducing Coupling	10	0.304	137.892
N-1079	2-1/8" x 5/8" Reducing Coupling	10	0.291	131.995
N-1083	2-5/8" x 2-1/8" Reducing Coupling	1	0.628	284.856
N-1084	2-5/8" x 1-5/8" Reducing Coupling	1	0.540	244.940
N-1085	2-5/8" x 1-3/8" Reducing Coupling	1	0.540	244.940
N-1086	2-5/8" x 1-1/8" Reducing Coupling	1	0.540	244.940
N-1093	3-1/8" x 2-5/8" Reducing Coupling	1	0.903	409.594
N-1094	3-1/8" x 2-1/8" Reducing Coupling	1	0.826	374.667
N-1095	3-1/8" x 1-5/8" Reducing Coupling	1	0.775	351.534
N-10101	3-5/8" x 3-1/8" Reducing Coupling	1	1.322	599.649
N-10108	4-1/8" x 3-5/8" Reducing Coupling	1	1.982	899.019
N-10109	4-1/8" x 3-1/8" Reducing Coupling	1	1.982	899.019
N-10110	4-1/8" x 2-5/8" Reducing Coupling	1	1.982	899.019
N-10111	4-1/8" x 2-1/8" Reducing Coupling C x C	1	1.982	899.019



Roll Stop Couplings (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1003	1/4" Roll Stop Coupling	100	0.004	1.6
N-10142	5/16" Roll Stop Coupling	100	0.007	3.0
N-1009	3/8" Roll Stop Coupling	100	0.008	3.4
N-1017	1/2" Roll Stop Coupling	100	0.012	5.5



Roll Stop Couplings (C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1022	5/8" Roll Stop Coupling	100	0.023	10.5
N-1028	3/4" Roll Stop Coupling	50	0.036	16.5
N-1034	7/8" Roll Stop Coupling	50	0.051	23.0
N-1047	1-1/8" Roll Stop Coupling	25	0.104	47.0
N-1055	1-3/8" Roll Stop Coupling	10	0.139	63.0
N-1063	1-5/8" Roll Stop Coupling	10	0.214	97.0
N-1072	2-1/8" Coupling w/roll stop	5	0.392	177.808
N-1082	2-5/8" Coupling w/roll stop	1	0.573	259.908
N-1092	3-1/8" Coupling w/roll stop	1	0.881	399.615
N-10100	3-5/8" Coupling w/roll stop	1	1.322	599.649
N-10107	4-1/8" Coupling w/roll stop	1	1.938	879.061



Stake Stop Couplings (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-10141	1/4" Stake Stop Coupling	100	0.004	1.8
N-10143	3/8" Stake Stop Coupling	100	0.007	3.2
N-10144	1/2" Stake Stop Coupling	100	0.013	5.9
N-10157	3/4" Stake Stop Coupling	50	0.036	16.3
N-10146	7/8" Stake Stop Coupling	50	0.051	23.1
N-10147	1-1/8" Stake Stop Coupling	25	0.101	45.8
N-10148	1-3/8" Stake Stop Coupling	10	0.139	63.0
N-10149	1-5/8" Stake Stop Coupling	10	0.209	94.8
N-10150	2-1/8" Stake Stop Coupling	5	0.379	171.9
N-10151	2-5/8" Stake Stop Coupling	1	0.617	279.9
N-10152	3-1/8" Stake Stop Coupling	1	0.925	419.6
N-10153	3-5/8" Stake Stop Coupling	1	1.322	599.6
N-10154	4-1/8" Stake Stop Coupling	1	1.903	863.2



45° Elbows (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-3005	1/4" 45° Elbow	100	0.008	3.5
N-3012	3/8" 45° Elbow	100	0.012	5.2
N-3021	1/2" 45° Elbow	100	0.018	8.0
N-3026	5/8" 45° Elbow	50	0.031	14.0
N-3030	3/4" 45° Elbow	50	0.049	22.0
N-3034	7/8" 45° Elbow	25	0.071	32.0
N-3044	1-1/8" 45° Elbow	20	0.124	56.0
N-3050	1-3/8" 45° Elbow	10	0.201	91.0
N-3055	1-5/8" 45° Elbow	5	0.304	138.0
N-3059	2" 45° Elbow	1	0.547	248.0
N-3063	2-5/8" 45° Elbow	1	0.892	404.6
N-3067	3-1/8" 45° Elbow	1	1.432	649.5
N-3070	3-5/8" 45° Elbow	1	2.203	999.3
N-3073	4-1/8" 45° Elbow	1	2.533	1,148.9



45° Street Elbows (FTG x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-3312	3/8" 45° Street Elbow	100	0.012	5.5
N-3321	1/2" 45° Street Elbow	100	0.019	8.5
N-3326	5/8" 45° Street Elbow	50	0.031	14.0
N-3330	3/4" 45° Street Elbow	50	0.052	23.5
N-3334	7/8" 45° Street Elbow	25	0.075	34.0
N-3344	1-1/8" 45° Street Elbow	20	0.128	58.0
N-3350	1-3/8" 45° Street Elbow	10	0.198	90.0
N-3355	1-5/8" 45° Street Elbow	5	0.297	134.7
N-3359	2-1/8" 45° Street Elbow	1	0.551	249.9
N-3363	2-5/8" 45° Street Elbow	1	0.903	409.6
N-3368	3-1/8" 45° Street Elbow	1	1.498	679.5
N3373	4-1/8" 45° Street Elbow	1	2.907	1,318.6



90° Long Radius Elbows (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-2715	1/4" 90° Long Radius Elbow	100	0.011	5.0
N-2710	5/16" 90° Long Radius Elbow	100	0.017	7.8
N-2716	3/8" 90° Long Radius Elbow	100	0.020	9.0
N-2717	1/2" 90° Long Radius Elbow	100	0.030	13.5
N-2722	5/8" 90° Long Radius Elbow	50	0.050	22.5
N-2728	3/4" 90° Long Radius Elbow	50	0.077	35.0
N-2734	7/8" 90° Long Radius Elbow	25	0.115	52.0
N-2747	1-1/8" 90° Long Radius Elbow	10	0.216	98.0
N-2055	1-3/8" 90° Long Radius Elbow	10	0.364	165.0
N-2063	1-5/8" 90° Long Radius Elbow	5	0.540	245.0
N-2072	2-1/8" 90° Long Radius Elbow	1	0.992	450.0
N-2082	2-5/8" 90° Long Radius Elbow	1	1.498	679.5
N-2092	3-1/8" 90° Long Radius Elbow	1	2.533	1,148.9
N-2093	3-5/8" 90° Long Radius Elbow	1	3.414	1,548.6
N-2095	4-1/8" 90° Long Radius Elbow	1	5.121	2,322.8



90° Long Radius Street Elbows (FTG x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-2809	3/8" Long Radius Street Elbow	100	0.020	9.0
N-2817	1/2" Long Radius Street Elbow	100	0.030	13.5
N-2822	5/8" Long Radius Street Elbow	50	0.051	23.0
N-2828	3/4" Long Radius Street Elbow	50	0.079	36.0
N-2834	7/8" Long Radius Street Elbow	25	0.117	53.0
N-2847	1-1/8" Long Radius Street Elbow	10	0.221	100.0
N-2350	1-3/8" Long Radius Street Elbow	10	0.335	152.0
N-2355	1-5/8" Long Radius Street Elbow	5	0.551	250.0
N-2359	2-1/8" Long Radius Street Elbow	1	1.003	455.0
N-2363	2-5/8" Long Radius Street Elbow	1	1.498	679.5
N-2368	3-1/8" Long Radius Street Elbow	1	2.533	1,148.9
N-2393	3-5/8" Long Radius Street Elbow	1	3.414	1,548.6
N-2395	4-1/8" Long Radius Street Elbow	1	5.121	2,322.8



90° Short Radius Elbows (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-2003	1/4" 90° Short Radius Elbow	100	0.008	3.5
N-2009	3/8" 90° Short Radius Elbow	100	0.013	6.0
N-1617	1/2" 90° Short Radius Elbow	100	0.020	9.0
N-1622	5/8" 90° Short Radius Elbow	50	0.034	15.2
N-1628	3/4" 90° Short Radius Elbow	50	0.057	26.0
N-1634	7/8" 90° Short Radius Elbow	25	0.075	34.0
N-1647	1-1/8" 90° Short Radius Elbow	20	0.154	70.0
N-2084	1-3/8" 90° Short Radius Elbow	10	0.225	102.0
N-2085	1-5/8" 90° Short Radius Elbow	5	0.331	150.0
N-2086	2-1/8" 90° Short Radius Elbow	1	0.639	290.0
N-2087	2-5/8" 90° Short Radius Elbow	1	0.101	499.4
N-2088	3-1/8" 90° Short Radius Elbow	1	1.718	779.3
N-2089	3-5/8" 90° Short Radius Elbow	1	2.753	1,248.7
N-2090	4-1/8" 90° Short Radius Elbow	1	3.392	1,538.6



90° Short Radius Street Elbows (FTG x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-2305	1/4" 90° Short Radius Street Elbow	100	0.008	3.5
N-2312	3/8" 90° Short Radius Street Elbow	100	0.013	6.0
N-1651	1/2" 90° Short Radius Street Elbow	100	0.021	9.5
N-1652	5/8" 90° Short Radius Street Elbow	50	0.035	16.0
N-1653	3/4" 90° Short Radius Street Elbow	50	0.060	27.0
N-1654	7/8" 90° Short Radius Street Elbow	25	0.079	36.0
N-1655	1-1/8" 90° Short Radius Street Elbow	20	0.163	74.0
N-2384	1-3/8" 90° Short Radius Street Elbow	10	0.243	110.0
N-2385	1-5/8" 90° Short Radius Street Elbow	5	0.364	165.0
N-2386	2-1/8" 90° Short Radius Street Elbow	1	0.672	305.0
N-2387	2-5/8" 90° Short Radius Street Elbow	1	1.123	509.4
N-2388	3-1/8" 90° Short Radius Street Elbow	1	1.762	799.2
N-2389	3-5/8" 90° Short Radius Street Elbow	1	2.863	1,298.6
N-2390	4-1/8" 90° Short Radius Street Elbow	1	3.414	1,548.6

P-Traps

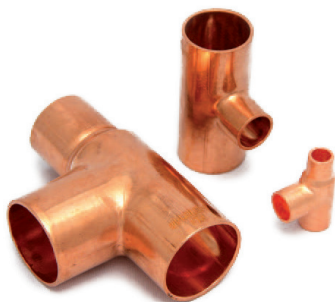


PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-60999	5/8" P-Trap	5	0.463	210.013
N-61008	3/4" P-Trap	2	0.562	254.919
N-61000	7/8" P-Trap	2	0.738	334.751
N-61001	1-1/8" P-Trap	2	1.123	509.384
N-61002	1-3/8" P-Trap	1	1.432	649.544
N-61003	1-5/8" P-Trap	1	2.423	1,099.05
N-61009	2-1/8" P-Trap	1	4.295	1,948.17



Reducing Tees (C x C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-40368	1/4" x 1/4" x 3/8" Reducing Tee	100	0.028	12.7
N-40332	3/8" x 1/4" x 1/4" Reducing Tee	100	0.022	10.0
N-40330	3/8" x 1/4" x 3/8" Reducing Tee	100	0.022	10.0
N-4005	3/8" x 3/8" x 1/2" Reducing Tee	100	0.044	20.0
N-40324	3/8" x 3/8" x 1/4" Reducing Tee	100	0.022	10.0
N-4016	3/8" x 3/8" x 5/8" Reducing Tee	100	0.066	29.9
N-40350	1/2" x 1/2" x 1/4" Reducing Tee	100	0.042	19.1
N-4002	1/2" x 1/2" x 3/8" Reducing Tee	100	0.042	19.1
N-4015	1/2" x 1/2" x 5/8" Reducing Tee	50	0.066	29.9
N-40363	1/2" x 1/4" x 1/2" Reducing Tee	100	0.042	19.1
N-40366	1/2" x 1/4" x 1/4" Reducing Tee	100	0.042	19.1
N-40364	1/2" x 1/4" x 3/8" Reducing Tee	100	0.042	19.1
N-4003	1/2" x 3/8" x 1/2" Reducing Tee	100	0.037	16.8
N-40358	1/2" x 3/8" x 1/4" Reducing Tee	100	0.042	19.1
N-4004	1/2" x 3/8" x 3/8" Reducing Tee	100	0.042	19.1
N-4010	5/8" x 1/2" x 1/2" Reducing Tee	50	0.062	28.1
N-4011	5/8" x 1/2" x 3/8" Reducing Tee	50	0.062	28.1
N-4009	5/8" x 1/2" x 5/8" Reducing Tee	50	0.062	28.1
N-40367	5/8" x 3/8" x 1/2" Reducing Tee	50	0.062	28.1
N-4012	5/8" x 3/8" x 5/8" Reducing Tee	50	0.062	28.1
N-4007	5/8" x 5/8" x 1/2" Reducing Tee	50	0.048	21.8



Reducing Tees (C x C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-4014	5/8" x 5/8" x 1/4" Reducing Tee	50	0.048	21.8
N-4067	5/8" x 5/8" x 1-1/8" Reducing Tee	10	0.242	109.8
N-4029	5/8" x 5/8" x 3/4" Reducing Tee	50	0.099	44.9
N-4008	5/8" x 5/8" x 3/8" Reducing Tee	50	0.048	21.8
N-4047	5/8" x 5/8" x 7/8" Reducing Tee	25	0.106	48.1
N-4019	3/4" x 3/4" x 1/2" Reducing Tee	50	0.088	39.9
N-4020	3/4" x 3/4" x 3/8" Reducing Tee	50	0.088	39.9
N-4018	3/4" x 3/4" x 5/8" Reducing Tee	50	0.088	39.9
N-4046	3/4" x 3/4" x 7/8" Reducing Tee	25	0.165	74.8
N-4021	3/4" x 5/8" x 3/4" Reducing Tee	50	0.099	44.9
N-4022	3/4" x 5/8" x 5/8" Reducing Tee	50	0.099	44.9
N-4037	7/8" x 3/4" x 3/4" Reducing Tee	25	0.154	69.9
N-4036	7/8" x 3/4" x 7/8" Reducing Tee	25	0.154	69.9
N-4044	7/8" x 5/8" x 1/2" Reducing Tee	25	0.154	69.9
N-4042	7/8" x 5/8" x 3/4" Reducing Tee	25	0.154	69.9
N-4045	7/8" x 5/8" x 3/8" Reducing Tee	25	0.154	69.9
N-4043	7/8" x 5/8" x 5/8" Reducing Tee	25	0.137	62.1
N-4041	7/8" x 5/8" x 7/8" Reducing Tee	25	0.159	72.1
N-4034	7/8" x 7/8" x 1/2" Reducing Tee	25	0.115	52.2
N-4065	7/8" x 7/8" x 1-1/8" Reducing Tee	10	0.220	99.8
N-4032	7/8" x 7/8" x 3/4" Reducing Tee	25	0.132	59.9
N-4035	7/8" x 7/8" x 3/8" Reducing Tee	25	0.115	52.2
N-4033	7/8" x 7/8" x 5/8" Reducing Tee	25	0.132	59.9
N-4052	1-1/8" x 1-1/8" x 1/2" Reducing Tee	10	0.253	114.8
N-4082	1-1/8" x 1-1/8" x 1-3/8" Reducing Tee	10	0.396	179.6
N-40101	1-1/8" x 1-1/8" x 1-5/8" Reducing Tee	5	0.551	249.9
N-4050	1-1/8" x 1-1/8" x 3/4" Reducing Tee	10	0.253	114.8
N-4051	1-1/8" x 1-1/8" x 5/8" Reducing Tee	10	0.231	104.8
N-4049	1-1/8" x 1-1/8" x 7/8" Reducing Tee	10	0.264	119.7
N-40233	1-1/8" x 3/4" x 1-1/8" Reducing Tee	10	0.275	124.7
N-40235	1-1/8" x 3/4" x 3/4" Reducing Tee	10	0.253	114.8
N-40236	1-1/8" x 3/4" x 5/8" Reducing Tee	10	0.253	114.8



Reducing Tees (C x C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-40234	1-1/8" x 3/4" x 7/8" Reducing Tee	10	0.253	114.8
N-4063	1-1/8" x 5/8" x 5/8" Reducing Tee	10	0.253	114.8
N-4062	1-1/8" x 5/8" x 7/8" Reducing Tee	10	0.253	114.8
N-4061	1-1/8" x 5/8" x 1-1/8" Reducing Tee	10	0.287	130.0
N-4059	1-1/8" x 7/8" x 1/2" Reducing Tee	10	0.253	114.8
N-4055	1-1/8" x 7/8" x 1-1/8" Reducing Tee	10	0.297	134.7
N-4057	1-1/8" x 7/8" x 3/4" Reducing Tee	10	0.253	114.8
N-4058	1-1/8" x 7/8" x 5/8" Reducing Tee	10	0.253	114.8
N-4056	1-1/8" x 7/8" x 7/8" Reducing Tee	10	0.264	119.7
N-4074	1-3/8" x 1-1/8" x 1-1/8" Reducing Tee	10	0.396	179.6
N-4073	1-3/8" x 1-1/8" x 1-3/8" Reducing Tee	10	0.430	195.0
N-4076	1-3/8" x 1-1/8" x 5/8" Reducing Tee	10	0.374	169.6
N-4075	1-3/8" x 1-1/8" x 7/8" Reducing Tee	10	0.374	169.6
N-4072	1-3/8" x 1-3/8" x 1/2" Reducing Tee	10	0.341	154.7
N-4069	1-3/8" x 1-3/8" x 1-1/8" Reducing Tee	10	0.341	154.7
N-40100	1-3/8" x 1-3/8" x 1-5/8" Reducing Tee	5	0.661	299.8
N-40122	1-3/8" x 1-3/8" x 2-1/8" Reducing Tee	1	1.101	499.4
N-4071	1-3/8" x 1-3/8" x 5/8" Reducing Tee	10	0.319	144.7
N-4070	1-3/8" x 1-3/8" x 7/8" Reducing Tee	10	0.341	154.7
N-4079	1-3/8" x 7/8" x 1-1/8" Reducing Tee	10	0.374	169.6
N-4078	1-3/8" x 7/8" x 1-3/8" Reducing Tee	10	0.419	190.1
N-4080	1-3/8" x 7/8" x 7/8" Reducing Tee	10	0.374	169.6
N-4097	1-5/8" x 1-1/8" x 1-1/8" Reducing Tee	5	0.573	259.9
N-4096	1-5/8" x 1-1/8" x 1-3/8" Reducing Tee	5	0.573	259.9
N-4095	1-5/8" x 1-1/8" x 1-5/8" Reducing Tee	5	0.661	299.8
N-4098	1-5/8" x 1-1/8" x 7/8" Reducing Tee	5	0.573	259.9
N-4092	1-5/8" x 1-3/8" x 1-1/8" Reducing Tee	5	0.573	259.9
N-4091	1-5/8" x 1-3/8" x 1-3/8" Reducing Tee	5	0.573	259.9
N-4090	1-5/8" x 1-3/8" x 1-5/8" Reducing Tee	5	0.661	299.8
N-4093	1-5/8" x 1-3/8" x 7/8" Reducing Tee	5	0.573	259.9
N-4089	1-5/8" x 1-5/8" x 1/2" Reducing Tee	5	0.496	225.0
N-4086	1-5/8" x 1-5/8" x 1-1/8" Reducing Tee	5	0.562	254.9



Reducing Tees (C x C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-4085	1-5/8" x 1-5/8" x 1-3/8" Reducing Tee	5	0.584	264.9
N-40121	1-5/8" x 1-5/8" x 2-1/8" Reducing Tee	1	1.322	599.6
N-4088	1-5/8" x 1-5/8" x 5/8" Reducing Tee	5	0.496	225.0
N-4087	1-5/8" x 1-5/8" x 7/8" Reducing Tee	5	0.496	225.0
N-40240	1-5/8" x 7/8" x 1-1/8" Reducing Tee	5	0.573	259.9
N-40239	1-5/8" x 7/8" x 1-3/8" Reducing Tee	5	0.573	259.9
N-4099	1-5/8" x 7/8" x 1-5/8" Reducing Tee	5	0.661	299.8
N-40238	1-5/8" x 7/8" x 7/8" Reducing Tee	5	0.573	259.9
N-40118	2-1/8" x 1-3/8" x 1-1/8" Reducing Tee	1	0.925	419.6
N-40117	2-1/8" x 1-3/8" x 1-3/8" Reducing Tee	1	0.925	419.6
N-40116	2-1/8" x 1-3/8" x 1-5/8" Reducing Tee	1	0.925	419.6
N-40115	2-1/8" x 1-3/8" x 2-1/8" Reducing Tee	1	1.101	499.4
N-40112	2-1/8" x 1-5/8" x 1-1/8" Reducing Tee	1	0.925	419.6
N-40111	2-1/8" x 1-5/8" x 1-3/8" Reducing Tee	1	0.925	419.6
N-40110	2-1/8" x 1-5/8" x 1-5/8" Reducing Tee	1	0.925	419.6
N-40109	2-1/8" x 1-5/8" x 2-1/8" Reducing Tee	1	1.101	499.4
N-40108	2-1/8" x 2-1/8" x 1/2" Reducing Tee	1	0.782	354.7
N-40105	2-1/8" x 2-1/8" x 1-1/8" Reducing Tee	1	0.903	409.6
N-40104	2-1/8" x 2-1/8" x 1-3/8" Reducing Tee	1	0.936	424.6
N-40103	2-1/8" x 2-1/8" x 1-5/8" Reducing Tee	1	1.013	459.5
N-40144	2-1/8" x 2-1/8" x 2-5/8" Reducing Tee	1	2.203	999.3
N-40153	2-1/8" x 2-1/8" x 3-1/8" Reducing Tee	1	3.304	1498.7
N-40107	2-1/8" x 2-1/8" x 5/8" Reducing Tee	1	0.782	354.7
N-40106	2-1/8" x 2-1/8" x 7/8" Reducing Tee	1	0.826	374.7
N-40141	2-5/8" x 1-5/8" x 1-1/8" Reducing Tee	1	1.652	749.3
N-40140	2-5/8" x 1-5/8" x 1-3/8" Reducing Tee	1	1.652	749.3
N-40139	2-5/8" x 1-5/8" x 1-5/8" Reducing Tee	1	1.652	749.3
N-40138	2-5/8" x 1-5/8" x 2-1/8" Reducing Tee	1	1.652	749.3
N-40137	2-5/8" x 1-5/8" x 2-5/8" Reducing Tee	1	1.872	849.1
N-40143	2-5/8" x 1-5/8" x 5/8" Reducing Tee	1	1.652	749.3
N-40142	2-5/8" x 1-5/8" x 7/8" Reducing Tee	1	1.652	749.3
N-40134	2-5/8" x 2-1/8" x 1-1/8" Reducing Tee	1	1.652	749.3



Reducing Tees (C x C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-40133	2-5/8" x 2-1/8" x 1-3/8" Reducing Tee	1	1.652	749.3
N-40132	2-5/8" x 2-1/8" x 1-5/8" Reducing Tee	1	1.652	749.3
N-40131	2-5/8" x 2-1/8" x 2-1/8" Reducing Tee	1	1.652	749.3
N-40130	2-5/8" x 2-1/8" x 2-5/8" Reducing Tee	1	1.872	849.1
N-40127	2-5/8" x 2-5/8" x 1-1/8" Reducing Tee	1	1.366	619.6
N-40126	2-5/8" x 2-5/8" x 1-3/8" Reducing Tee	1	1.652	749.3
N-40125	2-5/8" x 2-5/8" x 1-5/8" Reducing Tee	1	1.652	749.3
N-40124	2-5/8" x 2-5/8" x 2-1/8" Reducing Tee	1	1.586	719.4
N-1812	2-5/8" x 2-5/8" x 3-1/8" Reducing Tee	1	3.084	1398.9
N-40129	2-5/8" x 2-5/8" x 5/8" Reducing Tee	1	1.652	749.3
N-40128	2-5/8" x 2-5/8" x 7/8" Reducing Tee	1	1.652	749.3
N-40164	3-1/8" x 2-1/8" x 2-1/8" Reducing Tee	1	2.974	1349.0
N-40165	3-1/8" x 2-1/8" x 2-5/8" Reducing Tee	1	2.974	1349.0
N-40167	3-1/8" x 2-1/8" x 3-1/8" Reducing Tee	1	2.974	1349.0
N-40154	3-1/8" x 2-5/8" x 1-1/8" Reducing Tee	1	2.974	1349.0
N-40155	3-1/8" x 2-5/8" x 1-3/8" Reducing Tee	1	2.974	1349.0
N-40156	3-1/8" x 2-5/8" x 1-5/8" Reducing Tee	1	2.974	1349.0
N-40157	3-1/8" x 2-5/8" x 2-1/8" Reducing Tee	1	2.974	1349.0
N-40158	3-1/8" x 2-5/8" x 2-5/8" Reducing Tee	1	2.974	1349.0
N-40159	3-1/8" x 2-5/8" x 3-1/8" Reducing Tee	1	2.974	1349.0
N-40147	3-1/8" x 3-1/8" x 1-1/8" Reducing Tee	1	2.974	1349.0
N-40148	3-1/8" x 3-1/8" x 1-3/8" Reducing Tee	1	2.974	1349.0
N-40149	3-1/8" x 3-1/8" x 1-5/8" Reducing Tee	1	2.974	1349.0
N-40150	3-1/8" x 3-1/8" x 2-1/8" Reducing Tee	1	2.974	1349.0
N-40151	3-1/8" x 3-1/8" x 2-5/8" Reducing Tee	1	2.974	1349.0
N-40145	3-1/8" x 3-1/8" x 5/8" Reducing Tee	1	2.974	1349.0
N-40146	3-1/8" x 3-1/8" x 7/8" Reducing Tee	1	2.974	1349.0
N-40212	4-1/8" x 2-1/8" x 4-1/8" Reducing Tee	1	5.507	2497.9
N-40204	4-1/8" x 3-1/8" x 2-1/8" Reducing Tee	1	5.507	2497.9
N-40205	4-1/8" x 3-1/8" x 2-5/8" Reducing Tee	1	5.507	2497.9
N-40206	4-1/8" x 3-1/8" x 3-1/8" Reducing Tee	1	5.507	2497.9
N-40208	4-1/8" x 3-1/8" x 4-1/8" Reducing Tee	1	5.507	2497.9



Reducing Tees (C x C x C) - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-40194	4-1/8" x 4-1/8" x 1-3/8" Reducing Tee	1	5.507	2497.9
N-40195	4-1/8" x 4-1/8" x 1-5/8" Reducing Tee	1	5.507	2497.9
N-40196	4-1/8" x 4-1/8" x 2-1/8" Reducing Tee	1	5.507	2497.9
N-40197	4-1/8" x 4-1/8" x 2-5/8" Reducing Tee	1	5.507	2497.9
N-40198	4-1/8" x 4-1/8" x 3-1/8" Reducing Tee	1	5.396	2447.6



Tees (C x C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-40306	1/4" Tee	100	0.013	5.9
N-4000	3/8" Tee	100	0.020	9.1
N-4001	1/2" Tee	100	0.035	15.9
N-4006	5/8" Tee	50	0.058	26.3
N-4017	3/4" Tee	50	0.106	48.1
N-4031	7/8" Tee	25	0.143	64.9
N-4048	1-1/8" Tee	10	0.267	121.1
N-4068	1-3/8" Tee	10	0.374	169.6
N-4084	1-5/8" Tee	5	0.595	269.9
N-40102	2-1/8" Tee	1	1.046	474.5
N-40123	2-5/8" Tee	1	1.718	779.3
N-40152	3-1/8" Tee	1	2.643	1198.8
N-40190	3-5/8" Tee	1	4.515	2048.0
N-40200	4-1/8" Tee	1	5.507	2497.9



Tube Straps

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-1203	1/4" 2-Hole Tubing Strap	-	0.008	3.6
N-1366	1/2" 2-Hole Tubing Strap	-	0.010	4.5
N-1467	3/4" 2-Hole Tubing Strap	-	0.013	5.9
N-2529	5/8" 2-Hole Tubing Strap	100	0.012	5.4
N-2574	7/8" 2-Hole Tubing Strap	50	0.015	6.8



Tube Straps - Continued

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-2614	1-1/8" 2-Hole Tubing Strap	50	0.020	9.1
N-2650	1-3/8" 2-Hole Tubing Strap	50	0.022	10.0
N-2675	1-5/8" 2-Hole Tubing Strap	20	0.026	11.8
N-2708	2-1/8" 2-Hole Tubing Strap	-	0.032	14.5



Unions (C x C)

PART #	OD - DESCRIPTION	BOX QTY	WT (LB)	WT (G)
N-8001	3/8" Union	50	0.110	49.9
N-8002	1/2" Union	50	0.143	64.9
N-8003	5/8" Union	25	0.189	85.7
N-8004	7/8" Union	25	0.374	169.6
N-8005	1-1/8" Union	10	0.507	230.0
N-11205	1-3/8" Union	10	0.749	339.7
N-11206	1-5/8" Union	5	1.014	460.0
N-11207	2-1/8" Union	1	1.718	779.3
N-11208	2-5/8" Union	1	2.313	1049.2
N-11209	3-1/8" Union	1	3.800	1723.6



FAST ORDER TURNAROUND

Our Operations Center is strategically located in the Memphis, Tennessee metro area to streamline delivery and bolster the customer service that NDL is known for throughout the industry.



We Focus on Quality and Service So You Can Install with Confidence.

Since 1998, it has been our mission to stay ahead of the curve as an industry leader in the HVAC, Refrigeration, and Plumbing markets. We have achieved this over the years by placing a heavy emphasis on quality, innovation, and maintaining a global team of experienced professionals to deliver top-notch service. We continue to hold ourselves to the highest standards, never sacrificing our commitment to our customers or our product that has what made us the company we are today.

What you can expect from us:

- Fast order turnaround
- Real-time order communications
- Field-experienced sales and technical support
- Parts packaged in contractor-friendly sized bags
- High-quality control standards for superior fit and finish



Innovative HVAC-R Products That Exceed Expectations.

We began our journey looking for the best ACR copper fitting and we engineered a design that now exceeds industry standards. We maintain the same high-quality standards and performance expectations with our filter driers, refrigeration ball valves, and other HVAC and refrigeration products.

Learn more about our high-quality products with zero reported failures at ndlinc.com.



Explore our full line of high-quality HVAC-R and plumbing products.

ndlinc.com | 1-866-635-6888 | sales@ndlinc.com

@ndlindustries

