

WROT SOLDER JOINT

NIPPLES AND FITTINGS

COPPER FITTINGS



SYMBOL OF JOINT ENDS

- C** Solder joint fitting end made to receive copper tube diameter
 - Ftg.** Solder joint fitting end made to copper tube diameter
 - F** Internal ANSI Standard Taper Pipe Thread-Female
 - M** External ANSI Standard Taper Pipe Thread-Male
- Threaded ends ANSI/ ASME B1. Solder ends ASTM B88

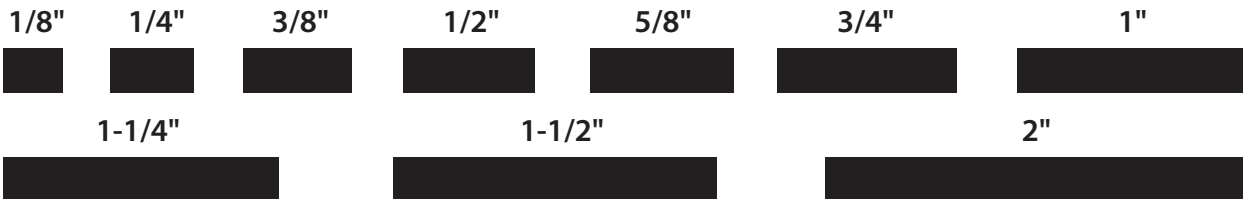
- Temp range 32° to 200°F
- Pressure @100° - 1/8-1 : 500 PSI
- 1-1/4-2 : 400 PSI
- 2-1/2 - 3: 300 PSI

**NSF - 61 CERTIFIED
ALLOY C12200**

PRICING FILE AVAILABLE ONLINE

THE ABOVE CONFORMS TO ASTM B 88 & ASTM B 306, A 306

Nom- inal Size	Joint Ends										Metal Thick- ness T (in)	Inside Diam- eter O (in)
	Male End					Female End						
	Outside Diam- eter (A) in	Average Toler- ance (mm)	Ac- tual MIN in	O.D. MAX in		Inside Diam- eter F (in)	Average Toler- ance (mm)	Ac- tual MIN in	O.D. MAX in			
1/8	2/8	0.03	2/8	2/8	3/8	2/8	0.03	2/8	2/8	3/8	0	2/8
1/4	3/8		3/8	3/8	3/8	3/8		3/8	3/8	3/8	0	2/8
3/8	4/8		4/8	4/8	3/8	4/8		4/8	4/8	3/8	0	3/8
1/2	5/8		5/8	5/8	4/8	5/8		5/8	5/8	3/8	0	4/8
5/8	6/8		6/8	6/8	5/8	6/8		6/8	6/8	5/8	0	4/8
3/4	7/8		7/8	7/8	6/8	7/8		7/8	7/8	5/8	0	5/8



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90° ELL C X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #	
77101	1/4"	3/8"	0.01	W 02009	----
77102	3/8"	1/2"	0.03	W 02017	----
77104	1/2"	5/8"	0.04	W 02022	----
77108	3/4"	7/8"	0.09	W 02034	----
77110	1"	1-1/8"	0.17	W 02047	----
77113	1-1/4"	1-3/8"	0.27	W 02077	----
77114	1-1/2"	1-5/8"	0.41	W 02085	----
77116	2"	2-1/8"	0.73	W 02086	----
77119	3"				

WE-500-R 607-R 107-C

90° STREET ELL FTG. X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #	
77124	1/4"	3/8"	0.01	W 02312	----
77125	3/8"	1/2"	0.03	W 02321	----
77126	1/2"	5/8"	0.05	W 01652	----
77128	3/4"	7/8"	0.12	W 01654	----
77129	1"	1-1/8"	0.22	W 02344	----
77130	1-1/4"	1-3/8"	0.33	W 02384	----
77131	1-1/2"	1-5/8"	0.45	W 02385	----
77132	2"	2-1/8"	0.87	W 02386	----
77134	3"				

90° LONG TURN ELL C X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #	
77143	1/2"	5/8"	0.06	W 02722	----
77144	5/8"	3/4"	0.10	W 02728	----
77145	3/4"	7/8"	0.15	W 02734	----

WE-500-L 607-LT 107-L

90° LONG TURN ST. ELL FTG. X C



PART#	NOMINAL (ID)	OD	APPROX NET WT.	IND #	
77156	5/8"	3/4"	0.11		----
77159	1-1/4"	1-3/8"	0.46	W 02828	----
77160	1-1/2"	1-5/8"	0.64	W 02834	----

WE-503-L 607-2LT

45° ELL C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77163	3/8"	0.02	W 03021	----
77164	1/2"	0.04	W 03026	----
77166	3/4"	0.10	W 03034	----
77167	1"	0.19	W 03044	----
77168	1-1/4"	0.27	W 03050	----
77169	1-1/2"	0.39	W 03055	----
77170	2"	0.75	W 03059	----

WE-504 606 106

* See midlandindustries.com for larger sizes

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WROT SOLDER JOINT

NIPPLES AND FITTINGS

STREET 45° FTG. X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77179	1/2"	0.06	W 03326	----
77181	3/4"	0.10	W 03334	----
77182	1"	0.18	W 03344	----
77183	1-1/4"	0.27	W 03350	----

WE-505 606-2

COUPLING (SOCKET) W/ ROLLED UP TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77201	1/8"	0.01	W 01003	----
77202	1/4"	0.01	W 01009	----
77203	3/8"	0.02	W 01017	----
77204	1/2"	0.03	W 01022	----
77205	5/8"	0.04	W 01028	----
77206	3/4"	0.06	W 01034	----
77207	1"	0.10	W 01047	----
77208	1-1/4"	0.15	W 01055	----
77209	1-1/2"	0.22	W 01063	----
77210	2"	0.39	W 01072	----
77212	3"			

WC-400 100

COUPLING (SOCKET) LESS TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77220	1/4"	0.01	W 01901	----
77222	1/2"	0.03	W 01903	----
77223	3/4"	0.06	W 01905	----
77224	1"	0.10	W 01906	----
77225	1-1/4"	0.15	W 01907	----
77226	1-1/2"	0.22	W 01908	----
77227	2"	0.39	W 01909	----

WC-400NS 601

COUPLING (SOCKET) W/ DIMPLED TUBE STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77238	1/2"	0.03		----
77240	3/4"	0.06		----
77241	1"	0.10		----

WC-400S

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WROT SOLDER JOINT

NIPPLES AND FITTINGS

REDUCER COUPLING W/ STOP C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77252	1/4" x 1/8"	0.01	W 01011	----
77253	3/8" x 1/4"	0.02	W 01019	----
77256	1/2" x 1/4"	0.03	W 01023	----
77255	1/2" x 3/8"	0.03	W 01021	----
77258	5/8" x 1/2"	0.04	W 01025	----
77262	3/4" x 1/2"	0.06	W 01029	----
77267	1"x1/2"	0.10	W 01049	----
77265	1"x3/4"	0.12	W 01038	----
77269	1 -1/4" x 3/4"	0.17	W 01056	----
77268	1-1/4" x 1"	0.17	W 01051	----
77272	1-1/2" x1"	0.24	W 01064	----
77271	1-1/2" x 1-1/4"	0.24	W 01060	----
77277	2" x 1"	0.48	W 01074	----
77276	2 x 1-1/4"	0.46	W 01073	----
77275	2" x 1-1/2"	0.42	W 01069	----

• 21 more sizes available - see website

WC-400R 600-R

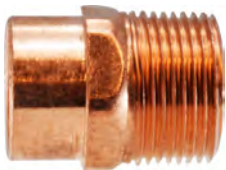
FITTING REDUCER FTG. C X C



PART#	NOMINAL	APPROX NET WT.	IND #	
77294	1/2" x 1/4"	0.03	W 01317	----
77298	3/4" x 3/8"	0.05	W 01327	----
77297	3/4" x 1/2"	0.06	W 01326	----
77352	1" x 1/2"	0.10	W 01265	----
77300	1"x3/4"	0.11	W 01337	----
77355	1 -1/4" x 3/4"	0.15	W 01345	----
77354	1-1/4" x1"	0.17	W 01343	----
77359	1 -1/2" x 3/4"	0.21	W 01353	----
77358	1-1/2"x1"	0.22	W 01351	----
77357	1 -1/2" X 1-1/4"	0.21	W 01350	----
77361	2" x 1-1/2"	0.39	W 01358	----

WC-403 600-2

MALE ADAPTER C X M



PART#	NOMINAL	APPROX NET WT.	IND #	
77398	3/8"	0.06	W 01125	----
77401	1/2"	0.08	WB01131	----
77306	3/4"	0.14	WB01146	----
77309	1"	0.24	WB01163	----
77314	1-1/4"	0.41	W 01171	----
77318	1-1/2"	0.50	W 01179	----
77322	2"	0.87	W 01187	----
77308	3/8" x 1/2"			
77311	1/2" x 3/8"	0.18		----
77315	3/4" x 1/2"	0.31		----
77307	3/4" x 1"	0.29	W 01145	----
77312	1" x 3/4"	0.18	W 01164	----

• 14 more reducing sizes available

WC-401 604

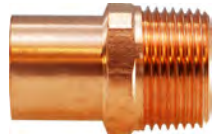
* See midlandindustries.com for more sizes

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WROT SOLDER JOINT

NIPPLES AND FITTINGS

FTG. MALE ADAPTER FTG. X M

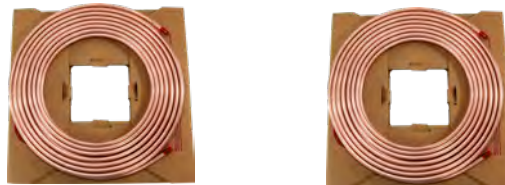


PART#	NOMINAL	APPROX NET WT.	IND #	
77331	1/2"	0.09	W 01431	----
77333	3/4"	0.15	W 01446	----
77334	1"	0.15	W 01463	----
77335	1-1/4"	0.41	W 01471	----

WC-404 604-2

COPPER TUBING

SEE COPPER TUBING FOR REFRIGERATION AND DRINKING WATER



FEMALE ADAPTERS C X F



PART#	NOMINAL	APPROX NET WT.	IND #	
77340	3/8"			
77343	1/2"	0.10	WB01231	----
77349	3/4"	0.14	WB01246	----
77402	1"	0.24	WB01263	----
77406	1-1/4"	0.43	W 01271	----
77410	1-1/2"	0.58	W 01279	----
77413	2"	0.74	W 01287	----
77341	3/8" x 1/2"	0.10	W 01224	----
77347	1/2" x 1/4"	0.05	W 01233	----
77346	1/2" x 3/8"	0.70	W 01232	----
77345	1/2" x 3/4"	0.15	WB01230	----

FEMALE FTG. ADAPT. FTG. X F



PART#	NOMINAL	APPROX NET WT.	IND #	
77420	1/2"	0.11	W 01531	----
77423	3/4"	0.19	W 01546	----
77424	1			----
77425	1 1/4			----

WC405 603-2 WC405R 603R

CAP



PART#	NOMINAL	APPROX NET WT.	IND #	
77430	3/8"	0.01	W 07006	----
77431	1/2"	0.02	WB07007	----
77432	5/8"	0.03	W 07008	----
77433	3/4"	0.04	WB07009	----
77434	1"	0.08	WB07011	----
77435	1-1/4"	0.11	W 07012	----
77436	1-1/2"	0.18	W 07013	----
77437	2"	0.30	W 07014	----

• More sizes available

WC402 603 WC402R 603R

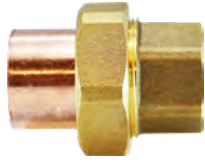
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NIPPLES & FITTINGS

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NIPPLES AND FITTINGS

UNIONS C X C



• LF = Lead Free

PART#	NOMINAL	APPROX NET WT.	IND #	
77455LF	1/2"	0.17	W 08003	----
77456LF	3/4"	0.37	W 08004	----
77457LF	1"	0.51	W 08005	----
77606LF	1-1/4"	0.98	W08006	----
77607LF	1-1/2"	1.21	W08007	----
77608LF	2"		W08008	----

WC-415 617

U-TYPE STRAP



PART#	NOMINAL	APPROX NET WT.	IND #	
77461	1/2"	0.03	A 02529	----
77462	3/4"	0.03	A 02574	----

WC-407
WS-1100

TEE C X C X C



PART#	NOMINAL 1 X 2 X 3	APPROX NET WT.	IND #	
77467	1/8"	0.02	W 40306	----
77468	1/4"	0.03	W 04000	----
77470	3/8"	0.05	W 04001	----
77473	1/2"	0.08	WB04006	----
77483	3/4"	0.18	WB04031	----
77490	1"	0.35	WB04048	----
77504	1-1/4"	0.58	W 04068	----
77519	1-1/2"	0.72	W 04084	----
77543	2"	1.35	W 40102	----
77489	3/4"x1/2"x1/2"	0.15	WB04043	----
77488	3/4" x 1/2" x 3/4"	0.19	WB04041	----
77486	3/4" x 3/4" x 1/2"	0.15	WB04033	----
77485	3/4"x3/4"x1"	0.25	W 04065	----
77501	1"x1/2"x1"	0.34	W 04061	----
77499	1"x3/4"x3/4"	0.31	W 04056	----
77496	1"x1"x1/2"	0.24	WB04051	----
77493	1"x1"x3/4"	0.29	WB04049	----
77523	1-1/2" x 1-1/2" x 3/4"	0.51	W 04087	----
77522	1-1/2" x 1-1/2" x 1"	0.60	W 04086	----
77547	2"x2"x1"	0.99	W 40105	----

WT-600 611

DROP EAR ELBOWS



• Lead Free Bronze • Lead Free Brass

PART #	SWT X FIP	
44840LF	1/2 x 1/2 Bronze	----
44841LF	1/2 x 1/2 Brass	----
44842LF	3/4 x 1/2 Brass	----
44843LF	3/4 x 3/4 Brass	----



• Lead Free Brass

PART #	SWT X SWT	
44844LF	1/2 x 1/2	----



• Lead Free Bronze

PART #	PEX X FIP	
44845LF	1/2 x 1/2	----

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