

Nominal Size	Joint Ends										Metal Thickness T (in)	Inside Diameter O (in)	
	Male End					Female End							
	Outside Diameter (A) in	Average Tolerance (mm)	Actual MIN in	O.D. MAX in	Length (Min) H (in)	Inside Diameter F (in)	Average Tolerance (mm)	Actual MIN in	O.D. MAX in	Length (Min) G (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	3/8	0	2/8
3/8	4/8		4/8	4/8	3/8	4/8		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	5/8	3/8	0	4/8
5/8	6/8		6/8	6/8	5/8	6/8		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	7/8	5/8	0	5/8
1	1-1/8	0.04	1-1/8	1-1/8	7/8	1-1/8	0.04	1-1/8	1-1/8	7/8	0	7/8	
1-1/4	1-3/8		1-3/8	1-3/8	1	1-3/8		1-3/8	1-3/8	1	0	1-1/8	
1-1/2	1-5/8	0.05	1-5/8	1-5/8	1-1/8	1-5/8	0.05	1-5/8	1-5/8	1-1/8	0	1-3/8	
2	2-1/8		2-1/8	2-1/8	1-3/8	2-1/8		2-1/8	2-1/8	1-2/8	0	1-6/8	
2-1/2	2-5/8		2-5/8	2-5/8	1-4/8	2-5/8		2-5/8	2-5/8	1-4/8	1/8	2-1/8	
3	3-1/8		3-1/8	2-1/8	1-6/8	3-1/8		3-1/8	3-1/8	1-5/8	1/8	2-5/8	
4	4-1/8		4-1/8	4-1/8	2-1/8	4-1/8		4-1/8	4-1/8	2-1/8	1/8	3-4/8	
5	5-1/8		1-1/8	5-1/8	2-6/8	5-1/8		5-1/8	5-1/8	2-5/8	1/8	4-5/8	
6	6-1/8	0.08	6-1/8	6-1/8	3-2/8	6-1/8	0.08	6-1/8	6-1/8	3-1/8	1/8	5-6/8	
8	8-1/8		8-1/8	8-1/8	4-1/8	8-1/8		8-1/8	8-1/8	3-7/8	1/8	7-4/8	
10	10-1/8	0.35	10-1/8	10-1/8	4-4/8	10-2/8	0.35	10-1/8	10-2/8	4-3/8	2/8	9-2/8	

Send DF Burnham all your volume quotes!

Symbol of Joint Ends

- C** Solder joint fitting end made to receive copper tube diameter
- Ftg.** Solder joint fitting end made to receive copper tube diameter
- F** Internal ANSI Standard Taper Pipe Thread-Female
- M** External ANSI Standard Taper Pipe Thread-Male

The above conforms to ASTM B 88 & ASTM B 306

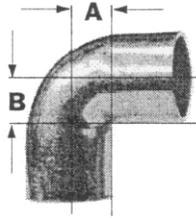
Warranty: Seller warrants that all fittings will be free from defects in materials and construction that will impair their usefulness, provided they are used as recommended. Any fitting that proves to be defective will be replaced or a credit issued but no incidental labor charges, expenses or damages will be allowed.

Dimensions: We have included roughing-in dimensions in this catalog. These dimensions are provided with the latest information available at the time of publication and are for estimating purposes only.

See copper fitting brushes on Page 189



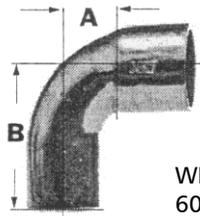
90° ELL C x C



WE-500-R
607-R
107-C

Part #	Nominal	Approx. Net Wt.	A	B
107-C-02C	1/8"	0.01	1/4	1/4
107-C-04C	1/4"	0.01	1/4	1/4
107-C-06C	3/8"	0.03	3/8	3/8
107-C-06-04C	3/8" x 1/4"	0.03	5/8	1/2
107-C-08C	1/2"	0.04	3/8	3/8
107-C-08-06C	1/2" x 3/8"	-	5/8	1/2
107-C-10C	5/8"	0.07	3/8	3/8
107-C-12C	3/4"	0.09	1/2	1/2
107-C-12-08C	3/4" x 1/2"	0.12	3/4	3/4
107-C-16C	1"	0.17	3/4	3/4
107-C-16-08C	1" x 3/4"	0.23	7/8	7/8
107-C-16-12C	1" x 1/2"	0.23	1-1/4	3/4
107-C-20C	1-1/4"	0.27	7/8	7/8
107-C-24C	1-1/2"	0.41	1-1/8	1-1/8
107-C-32C	2"	0.73	1-1/4	1-1/4
107-C-32-24C	2" x 1-1/2"	0.73	1-5/8	1-1/4
107-C-40C	2-1/2"	1.16	1-5/8	1-5/8
107-C-48C	3"	1.87	1-7/8	1-7/8
107-C-64C	4"	3.79	2-3/4	2-3/4

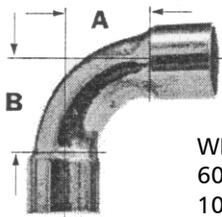
**90° STREET ELL
Ftg. x C**



WE-503
607-2
107-C-2

107-C-2-04C	1/4"	0.01	3/8	3/4
107-C-2-06C	3/8"	0.03	3/8	7/8
107-C-2-08C	1/2"	0.05	1/2	1
107-C-2-10C	5/8"	0.07	5/8	1-1/4
107-C-2-12C	3/4"	0.12	3/4	1-1/2
107-C-2-16C	1"	0.22	7/8	1-3/4
107-C-2-20C	1-1/4"	0.33	1-1/8	2-1/8
107-C-2-24C	1-1/2"	0.45	1-3/8	2-1/2
107-C-2-32C	2"	0.87	1-3/4	3-1/8
107-C-2-48C	3"	1.93	2-3/8	4

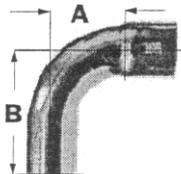
**90° LONG TURN ELL
C x C**



WE-500-L
607-LT
107-L

107-L-02C	1/8"	0.01	1/4	1/4
107-L-04C	1/4"	0.02	3/8	3/8
107-L-05C	5/16" 00	0.03	5/8	5/8
107-L-06C	3/8"	0.04	3/4	3/4
107-L-08C	1/2"	0.06	7/8	7/8
107-L-10C	5/8"	0.1	1	1
107-L-12C	3/4"	0.15	1-1/4	1-1/4

**90° LONG TURN STREET ELL
Ftg. x C**

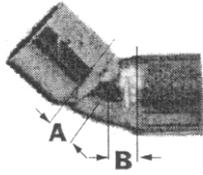


WE-503-L
607-2LT

107-C-2-02C	1/8"	0.01	1/2	1/2
107-C-2-04C	1/4"	0.22	3/8	3/4
107-C-2-06C	3/8"	0.04	-	-
107-C-2-08C	1/2"	0.06	7/8	1-3/8
107-C-2-10C	5/8"	0.11	1	1-3/4
107-C-2-12C	3/4"	0.15	1-1/4	2



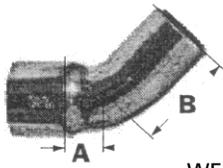
45° ELL C x C



WE-504
606
106

Part #	Nominal	Approx. Net Wt.	A	B
106-02C	1/8"	0.01	1/4	1/4
106-04C	1/4"	0.01	1/4	1/4
106-04C	3/8"	0.02	1/4	1/4
106-08C	1/2"	0.04	1/4	1/4
106-10C	5/8"	0.06	3/8	3/8
106-12C	3/4"	0.1	3/8	3/8
106-16C	1"	0.19	1/2	1/2
106-20C	1-1/4"	0.27	3/4	3/4
106-24C	1-1/2"	0.39	3/4	3/4
106-32C	2"	0.75	7/8	7/8
107-40C	2-1/2"	1.23	1-1/8	1-1/8

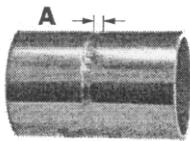
**STREET 45°
Ftg. x C**



WE-505
606-2

106-2-04C	1/4"	0.01	1/8	3/8
106-2-06C	3/8"	0.02	1/8	1/2
106-2-08C	1/2"	0.06	1/4	3/4
106-2-10C	5/8"	0.06	1/4	3/4
106-2-12C	3/4"	0.1	3/8	1-1/8
106-2-16C	1"	0.18	1/2	1-1/2
106-2-20C	1-1/4"	0.27	3/4	1-3/4
106-2-24C	1-1/2"	0.38	3/4	1-3/4
106-2-32C	2"	0.75	7/8	2-1/4

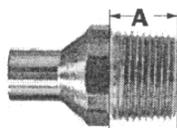
**COUPLING (SOCKET)
W/ROLLED TUBE STOP
C x C**



WC-400
100

100-02C	1/8"	0	0	-
100-04C	1/4"	0.01	0	-
100-06C	3/8"	0.02	1/8	-
100-08C	1/2"	0.03	1/8	-
100-10C	5/8"	0.04	0	-
100-12C	3/4"	0.06	1/8	-
100-16C	1"	0.1	1/8	-
100-20C	1-1/4"	0.15	1/8	-
100-24C	1-1/2"	0.22	1/8	-
100-32C	2"	0.39	1/8	-
100-40C	2-1/2"	0.71	1/8	-
100-48C	3"	0.98	1/8	-
100-64C	4"	2.01	1/4	-

**COUPLING (SOCKET)
LESS TUBE STOP
C x C**

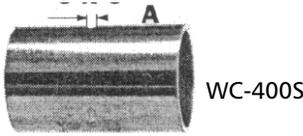


WC-400NS
601

101-02C	1/8"	0	5/8	-
101-04C	1/4"	-	3/4	-
101-08C	1/2"	0.03	1-1/8	-
101-12C	3/4"	0.06	1-5/8	-
101-16C	1"	0.1	2	-
101-20C	1-1/4"	0.15	2	-
101-24C	1-1/2"	0.22	2-3/8	-
101-32C	2"	0.39	2-3/4	-

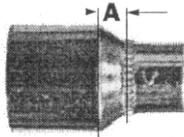
**Nipples &
Fittings**

**COUPLING (SOCKET)
w/DIMPLED TUBE STOP**



Part #	Nominal	Approx. Net Wt.	A
77-238	1/2"	0.03	1/8
77-240	3/4"	0.06	1/8
77-241	1"	0.1	1/8
77-242	1-1/4"	0.15	1/8
77-244	2"	0.39	1/8
77-247	4"	2.01	1/4

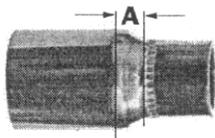
**REDUCER COUPLING
w/STOP
C x C**



WC-400R
600-R

101-R-04-02C	1/4" x 1/8"	0.01	1/4
101-R-06-04C	3/8" x 1/4"	0.02	1/8
101-4-08-06C	1/2" x 3/8"	0.03	1/4
101-R-08-04C	1/2" x 1/4"	0.03	1/4
101-R-10-08C	5/8" x 1/2"	0.04	1/8
101-R-12-08C	3/4" x 1/2"	0.06	1/4
101-R-12-06C	3/4" x 3/8"	0.06	3/8
101-R-12-04C	3/4" x 1/4"	0.06	3/8
101-R-16-12C	1" x 3/4"	0.12	3/8
101-R-16-08C	1" x 1/2"	0.1	1/2
101-R-20-16C	1-1/4" x 1"	0.17	1/4
101-R-20-12C	1-1/4" x 3/4"	0.17	1/2
101-R-20-08C	1-1/4" x 1/2"	0.14	1/2
101-R-24-20C	1-1/2" x 1-1/4"	0.24	1/4
101-R-24-16C	1-1/2" x 1"	0.24	1/2
101-R-32-24C	1-1/2" x 3/4"	0.25	5/8
101-R-32-20C	1-1/2" x 1/2"	0.19	7/8
101-R-32-16C	2" x 1-1/2"	0.42	5/8
101-R-40-32C	2" x 1-1/4"	0.46	5/8
101-R-48-40C	2" x 1"	0.48	5/8
101-R-40-32C	2-1/2" x 2"	0.79	3/4
101-R-32-40C	2" x 2-1/2"	1.15	1/2

**REDUCER COUPLING
w/STOP
C x C**

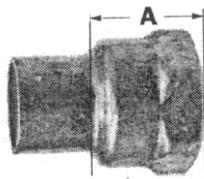


WC-403
600-2

77-291	3/8" x 1/4"	0.02	1/8
77-292	3/8" x 1/8"	0.01	5/8
77-294	1/2" x 1/4"	0.03	3/4
77-295	5/8" x 1/2"	0.03	1/8
77-296	3/4" x 5/8"	0.08	1/8
77-297	3/4" x 1/2"	0.06	1/8
77-298	3/4" x 3/8"	0.05	1-1/8
77-299	3/4" x 1/4"	0.05	1-1/8
77-300	1" x 3/4"	0.11	1/4
77-352	1" x 1/2"	0.1	1/4
77-354	1-1/4" x 1"	0.17	1/4
77-355	1-1/4" x 3/4"	0.15	1/4
77-356	1-1/4" x 1/2"	0.14	1/2
77-357	1-1/2" x 1-1/4"	0.21	1/4
77-358	1-1/2" x 1"	0.22	1/4
77-359	1-1/2" x 3/4"	0.21	1/2
77-360	1-1/2" x 1/2"	0.21	5/8
77-361	2" x 1-1/2"	0.39	1/2
77-362	2" x 1-1/4"	0.38	1/2
77-363	2" x 1"	0.4	5/8
77-364	2" x 3/4"	0.39	3/4
77-365	2" x 1/2"	0.40	7/8
77-370	2" x 2-1/2"	0.39	1/2



**FEMALE ADAPTERS
C x F**

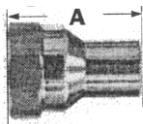


WC-402
603
WC-402R
603R

Part #	Nominal	Approx. Net Wt.	A/X
103-02C	1/8"	0.03	1/2
103-04C	1/4"	0.04	1/2
103-06C	3/8"	0.06	5/8
103-06-08C	3/8" x 1/2"	0.1	7/8
103-08C	1/2"	0.1	7/8
103-08-12C	1/2" x 3/4"	0.15	7/8
103-08-06C	1/2" x 3/8"	0.07	5/8
103-08-04C	1/2" x 1/4"	0.05	5/8
103-12C	3/4"	0.14	3/4
103-12-08C	3/4" x 1/2"	0.11	3/4
103-16C	1"	0.24	1
103-16-12C	1" x 3/4"	0.22	5/8
103-16-08C	1" x 1/2"	0.29	3/4
103-20C	1-1/4"	0.43	1-1/8
103-20-24C	1-1/4" x 1-1/2"	0.52	1-1/4
103-20-12C	1-1/4" x 3/4"	0.26	1/2
103-24C	1-1/2"	0.58	1-1/8
103-32C	2"	0.74	1-1/4
103-48C	3"	1.83	1-1/2

FITTING FEMALE ADAPTERS

Ftg. x F

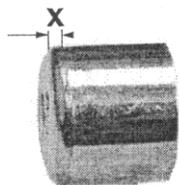


WC-405
603-2

WC-405R
603R

103-2-06C	3/8"	0.05	1-1/8
103-2-08C	1/2"	0.11	1-3/8
103-2-12C	3/4"	0.19	1-3/4
103-2-16 C	1"	0.25	2
103-2-24C	1-1/2"	0.55	2/1/02
103-2-32C	2"	0.68	2-5/8

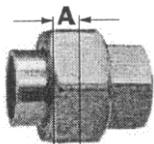
CAP



WC-407

117-02C	1/8"	0.003	0
117-04C	1/4"	0.01	0
117-06C	3/8"	0.01	0
117-08C	1/2"	0.02	0
117-10C	5/8"	0.03	1/8
117-12C	3/4"	0.04	1/8
117-16C	1"	0.08	1/8
117-20C	1-1/4"	0.11	1/8
117-24C	1-1/2"	0.18	1/8
117-32C	2"	0.3	0

UNIONS C x C



WC-407

102-02C	1/8"	0.13	3/8
102-04C	1/4"	0.11	3/8
102-06C	3/8"	0.11	1/2
102-08C	1/2"	0.17	1/2
102-12C	3/4"	0.37	5/8
102-16C	1"	0.51	1/2

U-TYPE STRAP



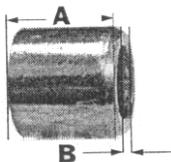
WS-1100

120-02C	1/8"	0.01	-
120-04C	1/4"	0.02	-
120-06C	3/8"	0.02	-
120-08C	1/2"	0.03	-
120-12C	3/4"	0.03	-
120-16C	1"	0.04	-
120-20C	1-1/4"	0.04	-
120-24C	1-1/2"	0.05	-
120-32C	2"	0.06	-

Nipples & Fittings

FLUSH BUSHING

Ftg. x C

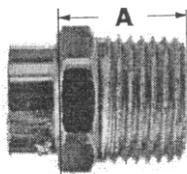


WC-106
618

Part #	Nominal	Approx. Net Wt.	A
119-12-08C	3/4" x 1/2"	0.08	7/8
119-12-10C	3/4" x 5/8"	0.04	7/8
119-16-12C	1" x 3/4"	0.13	1
119-16-08C	1" x 1/2"	0.22	1
119-20-12C	1-1/4" x 3/4"	0.39	1
119-24-20C	1-1/2" x 1-1/4"	0.22	1-1/8
119-32-24C	2" x 1-1/2"	0.68	1-3/8

MALE ADAPTER

C x M

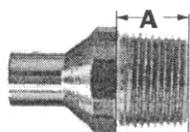


WC-401
604

104-02C	1/8"	0.02	3/8
104-04C	1/4"	0.03	1/2
104-04-08C	1/4" x 1/2"	0.09	1
104-04-06C	1/4" x 3/8"	0.06	5/8
104-04-02C	1/4" x 1/8"	0.02	7/8
104-06C	3/8"	0.06	7/8
104-08C	1/2"	0.08	5/8
104-08-12C	1/2" x 3/4"	0.16	3/4
104-12C	3/4"	0.14	7/8
104-12-16C	3/4" x 1"	0.29	7/8
104-16C	1"	0.24	7/8
104-16-12C	1" x 3/4"	0.18	1-7/8
104-20C	1-1/4"	0.41	1-1/2
104-24C	1-1/2"	0.5	1-5/8
104-24-20C	1-1/2" x 1-1/4"	0.44	1-3/4
104-32C	2"	0.87	7/8

FITTING MALE ADAPTERS

Ftg. x C



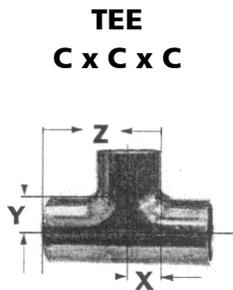
WC-404
604-2

104-2-08C	1/2"	0.09	1-1/2
104-2-08-12C	1/2" X 3/4"	0.15	-
104-2-12C	3/4"	0.15	1-7/8
104-2-20C	1-1/4"	0.41	2-1/2
104-2-32C	2"	0.86	2-7/8

Nipples & Fittings



Part #	Nominal	Approx. Net Wt.	A/X	B/Y	Z
111-02C	1/8"	0.02	1/8	1/8	
111-04C	1/4"	0.03	1/4	1/4	
111-06C	3/8"	0.05	1/4	3/8	
111-08C	1/2"	0.08	3/8	3/8	
111-08-16C	1/2"x1/2"x 1"	-	1-1/4	5/8	
111-10C	5/8"	-	3/8	1/2	
111-12C	3/4"	0.18	1/2	1/2	
111-12-16C	2/4"x3/4"x1"	0.25	1	7/8	
111-12-08C	3/4"x3/4"x1/2"	0.15	3/8	1/2	
111-12-08-12C	3/4"x1/2"x3/4"	0.19	3/8	1/4	
111-12-08-08C	3/4"x1/2"x1/2"	0.15	2/8	1/2	1-3/8
111-16C	1"	0.35	5/8	5/8	
111-16-20C	1"x1"x1-1/4"	0.64	1-1/8	1	
111-16-12C	1"x1"x3/4"	0.29	1/2	5/8	
111-16-08C	1"x1"x1/2"	0.24	3/8	5/8	
111-16-12-16C	1"x3/4"x1"	0.38	3/4	5/8	
111-16-12-12C	1"x3/4"x3/4"	0.31	1/2	5/8	1-5/8
111-16-12-08C	1"x3/4"x1/2"	0.27	1/2	3/4	
111-16-08-16C	1"x1/2"x1"	0.34	3/4	5/8	
111-16-08-12C	1"x1/2"x3/4"	0.34	3/8	3/4	
111-20C	1-1/4"	0.58	3/4	5/8	
111-20-24C	1-1/4"x1-1/4"x1-1/2"	0.79	1-1/4	1	
111-20-16C	1-1/4"x1-1/4"x1"	0.47	5/8	3/4	
111-20-12C	1-1/4"x1-1/4"x3/4"	0.39	3/8	3/4	
111-20-08C	1-1/4"x1-1/4"x1/2"	0.33	3/8	3/4	
111-20-16-20C	1-1/4"x1"x1-1/4"	-	3/4	3/4	
111-20-16-16C	1-1/4"x1"x1"	0.5	5/8	7/8	
111-20-12-20C	1-1/4"x3/4"x1-1/4"	0.63	3/4	7/8	
111-20-12-12C	1-1/4"x3/4"x3/4"	-	1/2	7/8	
111-20-08-20C	1-1/4"x1/2"x1-1/4"	-	3/4	7/8	
111-24C	1-1/2"	-	1	1	
111-24-20C	1-1/2"x1-1/2"x1-1/4"	-	3/4	1	
111-24-16C	1-1/2"x1-1/2"x1"	-			
111-24-12C	1-1/2"x1-1/2"x3/4"	0.51	3/4	1	
111-24-08C	1-1/2"x1-1/2"x1/2"	0.46	3/8	1	
111-32C	2"	1.35	1-1/8	1-1/4	
111-32-24C	2"x2"x1-1/2"	1.17	7/8	1-1/4	
111-32-20C	2"x2"x1-1/4"	1.01	7/8	1-3/8	
111-32-16C	2"x2"x1"	0.99	7/8	1-1/4	
111-32-12C	2"x2"x3/4"	0.9	5/8	1-1/4	
111-32-08C	2"x2"x3/4"	0.77	5/8	1-1/4	
111-32-24-12C	2"x1-1/2"x3/4"	1.4	5/8	1-1/4	
111-32-20-20C	2"x1-1/4"x1-1/4"	1.14	7/8	1-3/8	
111-32-16-32C	2"x1"x2"	1.34	1-1/8	1-1/4	
111-32-16-16C	2"x1"x1"	0.98	1/2	1-1/4	
111-40C	2-1/2"	2.21	1-1/2	1-5/8	
111-48-32C	3"x3"x2"	2.53	1-1/8	1-1/4	
111-48-20C	3"x3"x1-1/4"	2.18	3/4	1-7/8	
111-48-16C	3"x3"x1"	2.14	5/8	1-3/4	



WT-600
611

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