

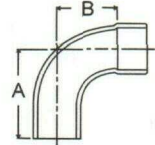
90° ELBOW - LONG RADIUS (cont.)

Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions		
1	2	3					A	B	C
1			W02747	10	100	.26	1½	1½	
1¼			W02055	10	100	.44	1⅞	1⅞	
1½			W02063	5	50	.61	2¼	2¼	
2			W02072	5	25	1.19	2⅞	2⅞	
2½			W02082	5	25	2.06	3 ²¹ / ₃₂	3 ²¹ / ₃₂	
3			W02092	2	10	3.05	4⅝	4⅝	
3½			W02093	1	5	4.95	4 ²⁹ / ₃₂	4 ²⁹ / ₃₂	
4			W02095	1	1	7.75	5⅞	5⅞	
REDUCING									
¼ x ¼			W02711	50	3,000	.01	1 ⁹ / ₃₂	1 ⁵ / ₃₂	
¾ x ¼			W02719	50	2,000	.03	4 ¹ / ₆₄	3 ⁹ / ₆₄	
½ x ¾			W02723	50	1,000	.04	¾	1 ¹ / ₁₆	
	x ¼		W02725	50	1,000	.03	1 ¹ / ₁₆	⅝	
¾ x ⅝			W02735	25	250	.12	1 ⁵ / ₃₂	1 ¹ / ₁₆	
	x ½		W02736	50	500	.09	⅞	⅞	
1 x ¾			W02749	10	100	.17	1¼	1 ⁹ / ₆₄	
	x ½		W02751	25	250	.12	1⅞	⅞	
1¼ x 1			W02756	10	100	.31	1⅝	1 ¹⁵ / ₃₂	
	x ¾		W02058	10	100	.35	1 ⁶³ / ₆₄	1⅜	
	x ½		W02060	10	100	.40	2 ⁵ / ₃₂	1⅜	
1½ x 1¼			W02064	5	50	.44	1 ⁵⁹ / ₆₄	1⅞	
	x 1		W02065	5	50	.52	2⅞	1⅝	
1½ x ¾			W02067	5	50	.51	2 ³ / ₆₄	1⅜	
2 x 1½			W02073	2	20	.89	2 ⁷ / ₁₆	2 ¹¹ / ₆₄	
	x 1¼		W02074	2	20	.95	2½	2⅞	
	x 1		W02075	2	20	.97	2½	2 ³ / ₃₂	
2½ x 2			W02083	2	20	1.51	2 ³¹ / ₃₂	2 ³¹ / ₃₂	

90° ELBOW - CLOSE ROUGH (cont.)

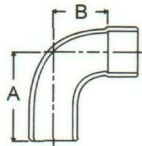
Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions		
1	2	3					A	B	C
1			WB02344	10	100	.17	2 ¹ / ₃₂	1 ¹ / ₁₆	
1¼			W02384	25	125	.31	2 ⁵ / ₆₄	1 ¹ / ₁₆	
1½			W02385	10	100	.43	2⅜	1 ⁷ / ₃₂	
2			W02386	10	50	.86	3 ³ / ₆₄	1 ¹⁹ / ₃₂	
2½			W02387	5	25	1.36	3 ¹¹ / ₃₂	1 ¹³ / ₁₆	
3			W02388	2	20	1.99	3 ²⁵ / ₃₂	2 ¹ / ₁₆	
3½			W02389	1	10	2.83	4⅜	2 ²³ / ₆₄	
4			W02390	2	10	3.89	4 ¹⁵ / ₁₆	2 ²³ / ₆₄	

90° ELBOW - STREET LONG RADIUS



WROT		CONNECTION			CAST				
WE-503L		FTG x C							
WROT	ELKHART	CAST	WROT	NIBCO	CAST				
107-L-2		N/A	607-2-LT		N/A				
Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions		
1	2	3					A	B	C
¼			W02809	50	1,700	.03	1⅞	¾	
¾			W02817	50	500	.04	1 ³ / ₁₆	¾	
½			W02822	50	500	.07	1⅜	⅞	
⅝			W02828	25	250	.11	1 ¹³ / ₁₆	1⅞	
¾			W02834	25	250	.15	2	1 ³ / ₁₆	
1			W02847	10	100	.27	2 ¹⁵ / ₃₂	1½	
1¼			W02350	10	100	.42	2 ²⁹ / ₃₂	1⅞	
1½			W02355	5	50	.60	3 ⁷ / ₁₆	2¼	
2			W02359	5	25	1.21	4 ⁹ / ₃₂	2⅞	
2½			W02363	5	25	2.08	5 ⁵ / ₃₂	3 ²¹ / ₃₂	
3			W02368	2	10	3.10	6 ⁹ / ₃₂	4⅝	
3½			W02393	1	5	5.52	7 ⁷ / ₃₂	5¼	
4			W02395	1	1	7.50	8 ³ / ₃₂	5⅞	

90° ELBOW - STREET SHORT RADIUS



WROT		CONNECTION			CAST				
WE-503		FTG x C							
WROT	ELKHART	CAST	WROT	NIBCO	CAST				
107-C-2		N/A	607-2		707-2				
Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions		
1	2	3					A	B	C
½			W02305	50	2,000	.01	¾	¾	
¼			W02312	50	1,700	.02	¾	¾	
¾			W02321	50	750	.03	1 ⁵ / ₁₆	½	
½			WB01652	50	500	.05	1 ¹ / ₃₂	7 ¹ / ₁₆	
⅝			W02330	25	250	.10	1 ⁷ / ₁₆	⅞	
¾			WB01654	25	250	.09	1 ⁷ / ₁₆	3 ³ / ₆₄	

TABLE OF CONTENTS



ACCESSORIES

FITTING	PAGE
COPPER FITTING BRUSHES – CARBON STEEL	35
COPPER FITTING BRUSHES – STAINLESS STEEL	35
COPPER FITTING BRUSHES – HEAVY DUTY CARBON	35
COPPER TUBE BRUSHES	35
ABRASIVE MESH CLOTH	35
ABRASIVE CLEANING PADS	35
PLUMBERS SANDCLOTH	35
WET PROOF SANDCLOTH	35

SOLDER JOINT DWV FITTINGS

FITTING	CONNECTION	PAGE
ADAPTER – TRAP	FTGxSJ	36
ADAPTER – TRAP	CxSJ	36
ADAPTER – TRAP	FxSJ	36
ADAPTER – TRAP	MxSJ	36
ADAPTER – SOIL PIPE	CxHub	37
ADAPTER – SOIL PIPE	CxSpigot	37
ADAPTER – SOIL PIPE	CxNoHub	37
ADAPTER – SOIL PIPE	CxSpigot	37
ADAPTER – TRAP	CxO.D. Tube	38
ADAPTER – TRAP	CxM	38
ADAPTER – FLUSH-TRAP	CxM	38
ADAPTER	CxSJTHD	38
ADAPTER – MALE	CxM	39
ADAPTER – FEMALE	CxF	39
ADAPTER	FTGxF	39
BUSHING – EXTENDED	FTGxC	39
CLEANOUT – W/PLUG	FTGxC.O.	40
CLEANOUT – FLUSH W/PLUG	FTGxC.O.	40
CLOSET FLANGE – C X 4 FLANGE	CxCloset	40
CLOSET FLANGE	CxCloset	40
COUPLING	CxC	41
REPAIR COUPLING	CxC	41
45° ELBOW	CxC	41
45° ELBOW, CAST	CxC	41
45° ELBOW – STREET	FTGxC	42
90° ELBOW	CxC	42
90° ELBOW, CAST	CxC	42
90° ELBOW – EXTRA LONG TURN	CxC	42
90° ELBOW – STREET	FTGxC	43
90° ELBOW, CAST – STREET	FTGxC	43
90° ELBOW	CxF	43
22½° Elbow	CxC	43
11¼° Elbow	CxC	44
60° ELBOW	CxC	44
90° ELBOW – W/LOW HEEL INLET	CxCxC	44

SOLDER JOINT DWV FITTINGS (cont.)

FITTING	CONNECTION	PAGE
PLUG	M	44
TEE	CxCxC	45
TEE, CAST	CxCxC	45
TEE	CxFxC	45
TEE	CxCxF	45
TEE – DOUBLE (CROSS)	CxCxCxC	46
TEE – TEST	CxCxC.O.	46
LONG TURN T-Y – DOUBLE-BAFFLE	CxCxCxC	46
TEST CAP	C	46
ELBOW – DOUBLE	CxCxC	47
LONG TURN T-Y	CxCxC	47
LONG TURN T-Y – DOUBLE	CxCxCxC	47
VENT INCREASER	CxTube	47
45° WYE	CxCxC	48
45° WYE – DOUBLE	CxCxCxC	48
DRUM TRAP – SWIVEL	CxCxC.O.	48
P-TRAP – W/CLEANOUT	CxSJ	48
P-TRAP	CxSJ	49
P-TRAP – W/CLEANOUT	CxC	49
P-TRAP	CxC	49
P-TRAP – W/UNION JOINT	CxSJ	49
RETURN BEND	CxSJ	50
RETURN BEND – W/CLEANOUT	CxC	50
RETURN BEND	CxC	50

COPPER TUBE

FITTING	PAGE
TYPE K	51
TYPE L & ACR	51
TYPE M	51
DWV	52
REFRIGERATION SERVICE TUBE	52
TECHNICAL DATA	52
TEMPERATURE-PRESSURE RATINGS	52

CONNECTION DESCRIPTIONS

SYMBOL	DESCRIPTION OF FITTING ENDS
C	Copper (cup) manufactured to receive copper tube diameter
FTG	Fitting end made to copper tube diameter
F	Female, internal ANSI Standard taper pipe thread (NPTI)
M	Male, external ANSI Standard taper pipe thread (NPTE)
SP	Spigot (Pipe O.D.)
SJ	Slip Joint

SOLDER JOINT PRESSURE FITTINGS

DIMENSIONS



GENERAL INFORMATION

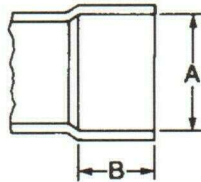
In 1930, Mueller Brass Company invented and pioneered the now famous STREAMLINE[®] solder-type fittings. This development led to making all-copper plumbing the standard of the industry.

Today, Mueller manufactures and markets one of the industry's most complete lines of copper products from one source. Included are wrought and cast solder-type pressure and DWV fittings. The many years of engineering know-how and experience are reflected in the fine quality and workmanship of the STREAMLINE[®] products listed on the following pages.

DIMENSIONS OF DWV SOLDER JOINT FITTING ENDS

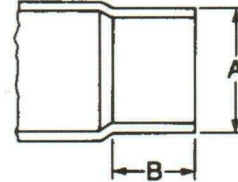
SOLDER CUP
DIMENSIONS

C



FITTING END
DIMENSIONS

FTG



SIZE	A		B MIN	SIZE	A		B MIN
	MAX	MIN			MAX	MIN	
1/8	.256	.252	.31	1/8	.251	.248	.38
1/4	.381	.377	.31	1/4	.376	.373	.38
3/8	.506	.502	.38	3/8	.501	.497	.44
1/2	.631	.627	.50	1/2	.626	.622	.56
5/8	.756	.752	.62	5/8	.751	.747	.69
3/4	.881	.877	.75	3/4	.876	.872	.81
1	1.132	1.128	.91	1	1.127	1.122	.97
1 1/4	1.382	1.378	.97	1 1/4	1.377	1.372	1.03
1 1/2	1.633	1.628	1.09	1 1/2	1.627	1.621	1.16
2	2.133	2.128	1.34	2	2.127	2.121	1.41
2 1/2	2.633	2.628	1.47	2 1/2	2.627	2.621	1.53
3	3.133	3.128	1.66	3	3.127	3.121	1.72
3 1/2	3.633	3.628	1.91	3 1/2	3.627	3.621	1.67
4	4.133	4.128	2.16	4	4.127	4.121	2.22
5	5.133	5.128	2.66	5	5.127	5.121	2.72
6	6.133	6.128	3.09	6	6.127	6.121	3.22
8	8.133	8.128	3.97	8	8.127	8.121	4.09

RESIDENTIAL COPPER PLUMBING PRODUCTS

WHAT THE WARRANTY TERMS MEAN

In this warranty "Manufacturer" refers to Mueller Industries, Inc. or its subsidiaries, which manufactures the Product, and any person or company that assumes its obligation under this warranty. "Homeowner" means the owner of the residential building in the United States in which the Product has been installed and also means any succeeding owner during the original warranty term. "Product" means the copper water tube and/or copper or brass fittings manufactured by the Manufacturer for the residential building market in the United States. Manufacturer warrants only Products it has manufactured and does not warrant Products of any other company.

DATE THE WARRANTY BEGINS

The warranty begins on the date of the new home purchase, or in the case of home additions or renovations, on the date the installation is completed. The warranty is transferable to succeeding Homeowners for the remainder of the original warranty term, in which case the date the warranty begins shall continue without change.

WHAT IS COVERED

The Manufacturer warrants to the Homeowner for a period of 50 years from the date the warranty begins that its properly installed Product will be free of failure as a result of defects in material or workmanship in manufacturing the Product.

WHAT THE MANUFACTURER WILL DO FOR YOU

As long as (1) such a failure occurs within 50 years from the date the warranty begins and (2) the Homeowner promptly notifies the Manufacturer of the Product of that failure by contacting it through its 800 phone number listed below, the Manufacturer will correct that failure by repairing or replacing the Product within a reasonable time, without charge. This warranty is limited to the cost of repairing or replacing the Product, including installation.

WHAT IS NOT COVERED; DISCLAIMER OF LIABILITY FOR CONSEQUENTIAL AND OTHER DAMAGES

The Manufacturer does NOT warrant against failure:

1. of any product, parts, or systems that it has not manufactured;
2. if the Product is used for purposes other than residential plumbing applications;
3. caused by, contributed in whole or in part by, or resulting from, any of the following:
 - (a) improper installation;
 - (b) abuse, such as, without limitation, vandalism;
 - (c) natural disasters, such as, without limitation, flooding, windstorm and lightning;
 - (d) attachments or modifications to the Product that the Manufacturer did not authorize;
 - (e) external causes, where external, physical or chemical qualities produce damage to the Product, such as, without limitation, aggressive water or an unsuitable or hostile environment; or
 - (f) any other cause beyond the Manufacturer's control.

The Manufacturer shall NOT be liable under any circumstances for any other direct or any indirect, incidental or consequential damages of any kind.

THIS IS THE ONLY WARRANTY

THIS WARRANTY IS THE ONLY WARRANTY FOR THE PRODUCT PROVIDED BY THE MANUFACTURER, AND IS AND SHALL BE IN LIEU OF ANY AND ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO AN IMPLIED WARRANTY OF MERCHANTABILITY, AND OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF THE MANUFACTURER. NONE OF THE MANUFACTURER'S EMPLOYEES, AND NO OTHER PERSON OR BUSINESS, IS AUTHORIZED TO MAKE ANY OTHER WARRANTY ON THE MANUFACTURER'S BEHALF COVERING THE PRODUCT.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

Mueller Industries, Inc.

Memphis, TN