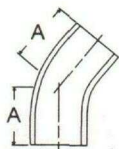


# SOLDER JOINT PRESSURE FITTINGS

## 45° ELBOWS / 90° ELBOWS

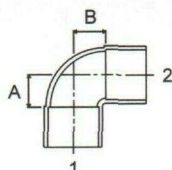


### 45° ELBOW



WROT WE-507			CONNECTION FTG x FTG			CAST		
WROT ELKHART 106-2-2			CAST N/A		WROT 606-2-2		CAST N/A	
Nominal Size			Part	Box	Master	Approx	Dimensions	
1	2	3	Number	Qty	Qty	Net Wt	A	B C
3/8			W 03621	50	1,700	.02	2 1/32	
1/2			W 03626	50	750	.04	1 3/16	
3/4			W 03634	25	250	.10	1 11/64	
1			W 03644	10	100	.17	1 7/16	

### 90° ELBOW – SHORT RADIUS

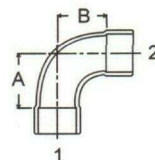


WROT WE-500			CONNECTION C x C			CAST E-200*					
WROT 107-C			ELKHART 4707			WROT 607			NIBCO 707		
Nominal Size			Part	Box	Master	Approx	Dimensions				
1	2	3	Number	Qty	Qty	Net Wt	A	B	C		
1/8			W 02003	50	2,000	.01	3/8	3/8			
1/4			W 02009	50	1,700	.02	3/8	3/8			
3/8			W 01617	50	750	.03	13/32	13/32			
1/2			WB01622	50	500	.04	25/64	25/64			
5/8			W 02028	50	500	.10	7/8	7/8			
3/4			WB01634	25	250	.10	33/64	33/64			
1			WB01647	10	100	.17	45/64	45/64			
1 1/4			W 02084	10	100	.31	1 3/32	1 3/32			
1 1/2			W 02085	10	100	.43	1 7/32	1 7/32			
2			W 02086	10	50	.86	1 9/16	1 9/16			
2 1/2			W 02087	5	25	1.40	1 13/16	1 13/16			
3			W 02088	5	25	1.99	2 1/16	2 1/16			
3 1/2			W 02089	2	10	2.74	2 13/32	2 13/32			
4			W 02090	2	10	3.80	2 23/32	2 23/32			
5			W 02096	1	1	8.59	2 7/8	2 7/8			
6			W 02097	1	1	11.73	4 13/64	4 13/64			
8			W 02099	1	1	43.07	4 7/8	4 7/8			

### 90° ELBOW – CLOSE ROUGH (cont.)

Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions		
1	2	3					A	B	C
REDUCING									
1/4	x 1/8		W 02011	50	750	.02	7/16	1 1/32	
3/8	x 1/4		W 02019	50	750	.03	9/16	7/16	
1/2	x 3/8		W 02023	50	500	.04	5/8	1/2	
	x 1/4		W 02025	50	500	.05	2 1/32	7/16	
5/8	x 1/2		W 02029	50	500	.08	1 1/16	1 9/32	
	x 3/8		W 02030	50	500	.07	1 3/16	1/2	
3/4	x 5/8		W 02035	50	500	.11	2 9/32	7/8	
	x 1/2		W 02036	50	500	.10	5 9/64	2 1/32	
	x 3/8		W 02037	50	500	.10	1 5/16	5/8	
1	x 3/4		W 02049	25	250	.17	1	7/8	
	x 5/8		W 02050	25	250	.16	1	7/8	
	x 1/2		W 02051	25	250	.18	1 3/16	3/4	
	x 3/8		W 02052	25	150	.20	1 11/32	2 1/32	
1 1/4	x 1		W 02056	20	200	.31	1 7/16	1 1/8	
	x 3/4		A 02638*	10	100	.34	9/16	1 3/16	
	x 1/2		A 03826*	10	100	.28	1 5/32	2 7/32	
1 1/2	x 1 1/4		W 02077	5	100	.33	1 9/64	5 5/64	
	x 1		A 02663*	10	100	.55	1 1/16	1	
	x 3/4		A 03905*	10	100	.43	1 9/32	3 1/32	
2	x 1 1/2		W 02078	5	50	.60	1 9/16	1 13/64	
	x 1 1/4		A 02691*	5	50	.91	7/8	1 1/4	
	x 1		A 02724*	5	50	.78	3/4	1 1/4	
2 1/2	x 2		A 02725*	1	25	2.16	1 3/16	1 9/32	
3	x 2 1/2		A 02777*	1	20	2.76	1 11/16	1 1/2	
	x 2		A 02778*	1	20	2.68	1 3/8	1 9/16	
4	x 3		A 01932*	1	10	5.18	1 29/32	2 15/32	

### 90° ELBOW – LONG RADIUS



WROT WE-500L			CONNECTION C x C			CAST		
WROT 107-L		ELKHART	CAST N/A		WROT 607LT		NIBCO	CAST N/A
Nominal Size			Part Number	Box Qty	Master Qty	Approx Net Wt	Dimensions	
1	2	3					A	B C
1/8			W 02715	50	2,000	.01	1/2	1/2
1/4			W 02716	50	1,700	.02	3/4	3/4
3/8			W 02717	50	500	.04	3/4	3/4
1/2			W 02722	50	500	.06	7/8	7/8
5/8			W 02728	50	500	.11	1 1/8	1 1/8
3/4			W 02734	25	250	.15	1 3/16	1 3/16



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## 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

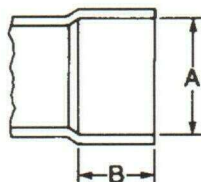
In 1930, Mueller Brass Company invented and pioneered the now famous STREAMLINE® solder-type fittings. This development led to making all-copper plumbing the standard of the industry.

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

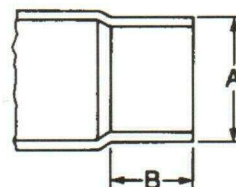
SOLDER CUP  
DIMENSIONS

C



FITTING END  
DIMENSIONS

FTG



SIZE	A		B MIN
	MAX	MIN	
1/8	.256	.252	.31
1/4	.381	.377	.31
3/8	.506	.502	.38
1/2	.631	.627	.50
5/8	.756	.752	.62
3/4	.881	.877	.75
1	1.132	1.128	.91
1 1/4	1.382	1.378	.97
1 1/2	1.633	1.628	1.09
2	2.133	2.128	1.34
2 1/2	2.633	2.628	1.47
3	3.133	3.128	1.66
3 1/2	3.633	3.628	1.91
4	4.133	4.128	2.16
5	5.133	5.128	2.66
6	6.133	6.128	3.09
8	8.133	8.128	3.97

SIZE	A		B MIN
	MAX	MIN	
1/8	.251	.248	.38
1/4	.376	.373	.38
3/8	.501	.497	.44
1/2	.626	.622	.56
5/8	.751	.747	.69
3/4	.876	.872	.81
1	1.127	1.122	.97
1 1/4	1.377	1.372	1.03
1 1/2	1.627	1.621	1.16
2	2.127	2.121	1.41
2 1/2	2.627	2.621	1.53
3	3.127	3.121	1.72
3 1/2	3.627	3.621	1.67
4	4.127	4.121	2.22
5	5.127	5.121	2.72
6	6.127	6.121	3.22
8	8.127	8.121	4.09



# LIMITED WARRANTY



## 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