

COPPER FITTINGS FOR PLUMBING AND MECHANICAL APPLICATIONS

Job Name	Contractor	
Job Location	Wholesaler	
Engineer	Streamline® Rep	

Product Description:

Streamline® Wrot Copper Pressure and DWV fittings for use in plumbing or mechanical applications. Available sizes ranging from ¼" to 8" in diameter. Product is designed to join ASTM B88 and ASTM B280 Seamless Copper Tube.

Material:

Streamline® Wrot Copper fittings shall be made from material in compliance with UNS C12200 grade of copper.

Key Speci ications:

Streamline® Wrot Copper, solder joint, pressure fittings shall conform to the NSF/ANSI 61 Annex G requirements. Wrot copper pressure fittings shall be manufactured to meet ASME B16.22 and MSS SP104. Wrot DWV copper fittings shall be made to meet ASME B16.29. All threaded fittings conform to ASME B1.20.1.

Installation:

Installations shall comply with the latest applicable building codes for the local jurisdiction. For detailed installation instructions, consult the Copper Development Association at copper.org.

References:

NSF/ANSI 6 I Annex G Safe Drinking Water Act (third party certification)

C12200 99.9% pure copper

ASME B16.22 Wrot Copper and Copper Alloy Solder Joint Pressure Fittings

MSS SP104 Wrot Copper Solder and Joint Pressure Fittings

ASME B16.29 ASME Drain, Waste and Vent (DWV) Fittings

B1.20.1 Threaded Fittings

Other Applicable Standards:

ASTM B88 Seamless Copper Water and Gas Tube (Types K, L, M)
ASTM B280 Seamless Copper Tube for Air Conditioning and Refrigeration

Copper [tube or fitting] UNS C122000 has been evaluated by NSF International to NSF/ANSI 61 for use in drinking water supplies of pH 6.5 and above. Drinking water supplies that are less than pH 6.5 may require corrosion control to limit leaching of copper into the drinking water.





W 07072	COUPLING 2	(CON	IT.) 100	0.13		60° EL	BOW		_
W 07072 W 07092 W 70107	3 4 REDUC	- CING	50 25	0.13 0.47 1.03	DW-701		Cx	С	
W 07073 W 07074 W 07094	2 x 1-1/2 x 1-1/4 3 x 2	_ _ _ _	100 100 50	0.17 0.18 0.52	Part W 07064 W 07066	Size 1-1/2 3	Box 25 2	Ctn 250 20	Wt 0.35 0.95
W 07095	x 1-1/2	_	50 50	0.52		22-1/2° E	LBOW		
W 07096 W 70109	x 1-1/4 4 x 3	_	25	0.70 0.93					
W 70106	x 2	-	25	1.38	DW-703		C x (С	
	REPAIR CO	DUPLI	NG		Part	Size	Box	Ctn	Wt
DW-741NS		С	x C		W 07060	1-1/2	-	100	0.27
Part	Size	Box	Ctn	Wt		TE	E		
W 07907 W 07908	1-1/4 1-1/2	25 25	225 250	0.07 0.11	D14/ =0=		00		
W 07909	2	_	75	0.19	DW-707		C x C	x C	\top
W 07911	3	-	50	0.34	Part	Size	Box	Ctn	Wt
	45° ELI	BOW		^	W 07500 W 07511	1-1/4 1-1/2	20 20	100 100	0.37 0.52
DW-204		_	x C		W 07522	2	5	25	0.85
DW-204		U.	^ O		W 07533	3 REDUC	- CING	10	2.10
Part	Size	Box	Ctn	Wt	W 07510	1-1/2x1-	10	100	0.51
W 07420 W 07421	1-1/4 1-1/2	25 25	250 125	0.14 0.20	W 07510	1/2x1-1/4 x1-1/4x1-1/4	10	100	0.52
W 07422	2	-	50	0.33	W 07521	2 x 2 x 1-1/2	5	50	0.75
W 07423	3	-	25	0.84	W 07520 W 07524	x 1-1/4 x1-1/2x1-1/2	5 5	30 50	0.68 0.87
	45° ELI	BOW		_	W 07532	3 x 3 x 2	5	25	1.69
(STREET)		ETC	a x C		W 07531 W 07530	x 1-1/2 x 1-1/4	5 5	25 25	1.45 0.81
DW-205		FIC	a x C			TEST			
Part	Size	Box	Ctn	Wt					
W 07430	1-1/4	25	250	0.17	DW-798T		С		
W 07431 W 07432	1-1/2 2	25 —	125 50	0.20 0.32	Part	Size	Box	Ctn	Wt
W 07433	3	-	25	0.81	W 07634	1/2	500	5,000	-
	90° ELI	BOW			W 07635 W 07636	3/4 1		4,000 2,000	0.01
DW-200		С	x C		W 07637	1-1/4	100	2,000	0.01
_					W 07638 W 07639	1-1/2 2		1,000 1,000	0.01 0.02
Part W 07400	1-1/4	Box 25	25 Ctn	0.25	W 07640	3	25	250	0.04
W 07401 W 07403	1-1/2	20	100	0.24		VENT INC	REASEF	}	
W 07403 W 07404	2 3	_	50 15	0.71 1.66					
	90° ELI	BOW			DW-752		C x TU	IRF	
LONG TURN				2	Part	Size	Box	Ctn	i Wt
D-700LT		С	x C	\mathbb{H}	W 70112 W 70111	3 x 4 x 18 3 x 4 x 24	_	6 5	4.37 5.90
Part	Size	Box	Ctn	Wt	** / 0	5 1 4 1 24		J	5.50
A 07209	1-1/2	5	100	0.41					
A 07202	2	5	40	0.62					
	90° ELI	BOW							
EXTRA LONG DW-700XLT	TURN	С	x C						
Part	Size	Box	Ctn	Wt					
W 07451 W 07452	1-1/2 2	10 5	50 25	0.55 1.11					
W 07453	3	2	10	2.28					
W 07454	4	-	5	5.10					
	90° ELI	BOW							
DW-203		FTG	ЭхС						
Part	Size	Box	Ctn	Wt					
W 07410 W 07411	1-1/4 1-1/2	25 20	125 100	0.26 0.38					
W 07412 W 07413	2	_	50	0.70					
	3	_	15	1.70					



COPPER FITTING DATA

ALLOYS USED FOR JOINTS	SERVICE TEMPERATURE °F	STANDARD TUBE SIZE, TYPES K, L, AND M WATER AND NON-CORROSIVE LIQUIDS & GASES				
			100	200	175	150
50 / 50 Tin Lead Solder	150	150	125	100	90	
Not to be used in potable water systems	200	100	90	75	70	
	250	85	75	50	45	
	100	1090	850	705	660	
OF / F. Tim Antimorny Colden	150	625	485	405	375	
95 / 5 Tin-Antimony Solder	200	505	395	325	305	
	250	100 85 1090 625 505 270 710 475 375	210	175	165	
	100	710	555	460	430	
All	150	475	370	305	285	
Alloy E Solder	200	375	290	240	225	
	250	320	250	205	195	
	100	1035	805	670	625	
Alloy HB Solder	150	710	555	460	430	
	200	440	345	285	265	
	250	430	335	275	260	

Note: Ratings are those given in ASME B 16.22 "Wrought Copper and Copper Alloy Solder Joint Pressure Fittings." (a) Solder alloys are covered by ASTM Standard Specification B32. The Safe Drinking Water Act Amendment of 1986 prohibits the use of any solder having a lead content in excess of 02% for potable water systems.

PRESSURE LOSS IN FITTINGS EXPRESSED AS EQUIVALENT LENGTH OF TUBE, FEET									
Normal or Standard in Inches	Wrot Copper Fittings								
	90 Degree Ell	45 Degree Ell	Tee Straight Run	Tee Side Branch	Coupling	180 Degree Bend			
3/8	0.5	0.5	0.5	I	-	0.5			
1/2	0.5	0.5	0.5	I	-	I			
5/8	0.5	0.5	0.5	2	-	I			
3/4	I	0.5	0.5	2	-	2			
I	I	I	0.5	3	-	2			
1-1/4	2	I	0.5	4	0.5	3			
1-1/2	2	2	I	5	0.5	4			
2	2	2	I	7	0.5	8			
2-1/2	2	3	2	9	0.5	16			
3	3	4	-	-	I	20			



