

COPPER FITTINGS FOR HVACR APPLICATIONS

Job Name	Contractor
Job Location	Wholesaler
Engineer	Streamline® Rep

Product Description:

Streamline® Wrot Copper fittings for use in refrigeration applications. Available sizes ranging from 1/4" to 8-1/8" in outside diameter. Product is designed to join ASTM B280 and ASTM B88 seamless copper tube.

Material:

Streamline® Wrot Copper fittings shall be made from material in compliance with ASTM B75 and of UNS C12200 grade of copper.

Key Specifications:

Streamline® Wrot Copper, solder-joint, pressure fittings shall conform to ASME B16.22 and MSS SP104. Streamline® Wrot Copper, solder-joint, pressure fittings are third party verified in select sizes¹ through Underwriters Laboratories (UL) for operating pressure of 700psi at 250°F.

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:

Product Line	Product Type	Diameter
1 Copper Fittings UL C US 700 PSI R410A	Streamline® Wrot Solder-Joint Pressure	1/8" – 2-5/8"

*700PSI at 250°F in select patterns

ASTM B75	Seamless Copper Tube
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

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 FITTINGS – HVACR SOLDER JOINT PRESSURE WROT & CAST

NOTE: ALL SIZES ARE OD

ADAPTER

FEMALE WC-402 C x F

Part	Size	Box	Ctn	Wt
W 01204	1/4 x 1/2	100	300	0.1
W 01205	x 3/8	100	700	0.05
W 01206	x 1/4	100	900	0.04
W 01207	x 1/8	100	1,500	0.04
W 01214	3/8 x 3/8	50	750	0.06
W 01215	x 1/4	50	750	0.04
W 01216	x 1/8	100	1,500	0.03
W 01223	1/2 x 3/4	50	300	0.16
W 01224	x 1/2	50	500	0.1
W 01225	x 3/8	50	750	0.07
W 01226	x 1/4	50	750	0.06
W 01230	5/8 x 3/4	25	250	0.16
W 01231	x 1/2	50	500	0.1
W 01232	x 3/8	50	500	0.07
W 01233	x 1/4	50	500	0.06
W 01238	3/4 x 3/4	50	500	0.15
W 01239	x 1/2	50	500	0.09
W 01245	7/8 x 1	25	250	0.27
W 01246	x 3/4	25	250	0.14
W 01247	x 1/2	25	250	0.11
W 01261	1-1/8 x 1-1/4	10	100	0.28
W 01263	x 1	25	250	0.25
W 01264	x 3/4	25	250	0.22
W 01265	x 1/2	20	200	0.25
W 01270	1-3/8 x 1-1/2	10	100	0.5
W 01271	x 1-1/4	10	100	0.45
W 01272	x 1	10	100	0.33
W 01278	1-5/8 x 2	—	60	0.74
W 01279	x 1-1/2	10	100	0.53
W 01280	x 1-1/4	5	50	0.39
W 01287	2-1/8 x 2	—	50	0.57
W 01288	x 1-1/2	5	50	0.74
W 01296	2-5/8 x 2-1/2	—	25	1.22
W 01297	3-1/8 x 3	—	15	

ADAPTER

FITTING WC-405 FTG x F

Part	Size	Box	Ctn	Wt
W 01514	3/8 x 3/8	50	750	0.06
W 01524	1/2 x 1/2	50	350	0.1
W 01525	x 3/8	50	750	0.05
W 01526	x 1/4	50	750	0.06
W 01531	5/8 x 1/2	50	450	0.11
W 01532	x 3/8	50	750	0.07
W 01546	7/8 x 3/4	25	250	0.17
W 01547	x 1/2	50	500	0.11
W 01563	1-1/8 x 1	25	250	0.24
W 01564	x 3/4	25	250	0.18
W 01571	1-3/8 x 1-1/4	10	100	0.4
W 01579	1-5/8 x 1-1/2	10	100	0.46
W 01587	2-1/8 x 2	—	50	0.65
W 01596	2-5/8 x 2-1/2	—	25	1.2

ADAPTER

MALE WC-401 C x M

Part	Size	Box	Ctn	Wt
W 01105 †	1/4 x 3/8	50	750	0.06
W 01106 †	x 1/4	50	1,200	0.03
W 01107 †	x 1/8	50	2,400	0.02
W 01109 †	5/16 x 3/8	50	800	0.07
W 01110 †	x 1/4	50	1,200	0.03
W 01113 †	3/8 x 1/2	50	500	0.08
W 01114 †	x 3/8	50	750	0.06
W 01115 †	x 1/4	50	1,200	0.03
W 01116 †	x 1/8	50	2,000	0.02
W 01123 †	1/2 x 3/4	25	250	0.17
W 01124 †	x 1/2	50	500	0.09
W 01125 †	x 3/8	50	500	0.06

ADAPTER CONT.

W 01126 †	x 1/4	50	750	0.05
W 01129 †	5/8 x 1	15	150	0.3
W 01130 †	x 3/4	25	250	0.17
W 01131 †	x 1/2	50	500	0.06
W 01132 †	x 3/8	50	500	0.07
W 01133 †	x 1/4	25	600	0.06
W 01138 †	3/4 x 3/4	25	250	0.14
W 01139 †	x 1/2	25	250	0.12
W 01145 †	7/8 x 1	10	100	0.29
W 01146 †	x 3/4	25	250	0.13
W 01147 †	x 1/2	25	250	0.12
W 01161 †	1-1/8 x 1-1/2	10	100	0.48
W 01162 †	x 11/4	10	100	0.39
W 01163 †	x 1	10	100	0.24
W 01164 †	x 3/4	10	100	0.17
W 01165 †	x 1/2	10	100	0.18
W 01170 †	1-3/8 x 1-1/2	10	100	0.48
W 01171 †	x 1-1/4	10	100	0.41
W 01172 †	x 1	10	100	0.24
W 01173 †	x 3/4	10	100	0.21
W 01178 †	1-5/8 x 2	—	50	0.78
W 01179 †	x 1-1/2	10	100	0.51
W 01180 †	x 1-1/4	10	100	0.37
W 01181 †	x 1	10	100	0.38
W 01187 †	2-1/8 x 2	5	50	0.57
W 01188 †	x 1-1/2	—	50	0.64
W 01189 †	x 1-1/4	—	50	0.57
W 01196 †	2-5/8 x 2-1/2	—	20	1.26
W 01197 †	x 2	—	20	0.98
W 01198 †	x 1-1/2	—	22	0.98
W 01199	3-1/8 x 3	—	20	1.7
W 01150	4-1/8 x 4	—	16	3.71

ADAPTER

FITTING WC-404 FTG x M

Part	Size	Box	Ctn	Wt
W 01425 †	1/2 x 3/8	50	750	0.05
W 01431 †	5/8 x 1/2	50	500	0.09
W 01432 †	x 3/8	50	750	0.06
W 01446 †	7/8 x 3/4	50	500	0.15
W 01447 †	x 1/2	50	500	0.13
W 01463 †	1-1/8 x 1	25	250	0.23
W 01464 †	x 3/4	25	250	0.19
W 01471 †	1-3/8 x 1-1/4	10	100	0.41
W 01479 †	1-5/8 x 1-1/2	10	100	0.49
W 01487 †	2 1/8 x 2	—	50	0.76
W 01496 †	2-5/8 x 2-1/2	—	20	1.95

BUSHING

FLUSH WC-106 FTG x C

Part	Size	Box	Ctn	Wt
W 01706 †	3/8 x 1/4	100	4,000	0.01
W 01712 †	1/2 x 3/8	100	4,000	0.01
W 01714 †	x 1/4	100	2,400	0.02
W 01715 †	5/8 x 1/2	100	1,500	0.02
W 01717 †	x 3/8	100	1,500	0.04
W 01720 †	3/4 x 5/8	50	750	0.03
W 01721 †	x 1/2	50	750	0.06
W 01722 †	x 3/8	50	750	0.08
W 01725 †	7/8x 3/4	50	500	0.04
W 01726 †	x 5/8	50	500	0.07
W 01727 †	x 1/2	50	500	0.11
W 01737 †	1-1/8 x 7/8	50	500	0.12
W 01738 †	x 3/4	50	500	0.18
W 01739 †	x 5/8	25	250	0.22
W 01743 †	1-3/8 x 1-1/8	10	200	0.16
W 01745 †	x 7/8	10	200	0.3
W 01750 †	1-5/8 x 1-3/8	10	100	0.22
W 01751 †	x 1-1/8	10	100	0.41
W 01758 †	2-1/8 x 1-5/8	10	100	0.68
W 01759 †	x 1-3/8	5	50	0.94
W 01767 †	2-5/8 x 2-1/8	—	50	0.92

BUSHING

FLUSH WC-417 FTG x F

Part	Size	Box	Ctn	Wt
A 07812	5/8 x 1/8	100	1,600	0.04
A 07813	x 1/4	50	1,200	0.02
A 07814	7/8 x 3/8	50	450	0.08
A 07815	1-1/8 x 1/2	50	300	0.17
A 07816	1-3/8 x 3/4	10	160	0.25
A 07817	1-5/8 x 1	10	90	0.34
A 07819	2-1/8 x 1-1/2	10	90	0.48

CAP

FLUSH WC-415 C

Part	Size	Box	Ctn	Wt
W 07002	1/4	50	2,000	0
W 07004	3/8	50	2,000	0.01
W 07006	1/2	50	1,000	0.01
W 07007	5/8	100	1,000	0.02
W 07008	3/4	50	2,000	0.03
W 07009	7/8	50	500	0.04
W 07011	1-1/8	50	500	0.08
W 07012	1-3/8	25	250	0.11
W 07013	1-5/8	25	250	0.18
W 07014	2-1/8	—	100	0.3
W 07015	2-5/8	—	50	0.48
W 07016	3-1/8	—	50	0.73
W 07017	3-5/8	—	25	1.15
W 07018	4-1/8	—	20	1.5

COUPLING

NO STOP WC-400NS C x C

Part	Size	Box	Ctn	Wt
W 01900 †	1/4	100	4,000	0
W 01901 †	3/8	50	2,000	0.01
W 01902 †	1/2	50	1,700	0.01
W 01903 †	5/8	100	1,000	0.03
W 01904 †	3/4	25	375	0.04
W 01905 †	7/8	50	500	0.06
W 01906 †	1-1/8	25	250	0.11
W 01907 †	1-3/8	25	250	0.15
W 01908 †	1-5/8	10	100	0.25
W 01909 †	2-1/8	—	75	0.4
W 01910 †	2-5/8	—	50	0.66
W 01911	3-1/8	—	25	1.03
W 01913	4-1/8	—	15	2.15

COUPLING

ROLLED STOP WC-400 C x C

Part	Size	Box	Ctn	Wt
W 01000 †	1/8	100	4,000	0
W 01001 †	3/16	100	4,000	0
W 01003 †	1/4	100	4,000	0
W 01009 †	3/8	50	2,000	0.01
W 01017 †	1/2	50	1,700	0.01
W 01022 †	5/8	100	1,000	0.03
W 01028 †	3/4	50	500	0.05
W 01034 †	7/8	50	500	0.06
W 01040 †	1	25	250	0.09
W 01047 †	1-1/8	25	250	0.11
W 01055 †	1-3/8	25	250	0.15
W 01062 †	1-1/2	—	150	0.22
W 01063 †	1-5/8	10	100	0.21
W 01072 †	2-1/8	—	75	0.4
W 01082 †	2-5/8	—	50	0.66
W 01092	3-1/8	—	25	1.03
W 10100	3-5/8	—	20	1.18
W 10107	4-1/8	—	15	2.11

† UL Recognized to 700 PSI (select sizes)