

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 1/8" 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 UNS C12200 grade of copper.


Key Specifications:

Streamline[®] Wrot Copper pressure fittings shall conform to ASME B16.22 and MSS SPI04. Streamline[®] Wrot Copper 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	Outer Diameter
1 Copper Fittings 	Streamline [®] Wrot Solder-Joint Pressure	1/8" – 2-5/8"

*700PSI at 250°F in select patterns

- | | |
|-------------|---|
| C12200 | 99.9% Pure Copper |
| ASME B16.22 | Wrot Copper and Copper Alloy Solder Joint Pressure Fittings |
| MSS SPI04 | 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 |

COUPLING

STACKED STOP WC-400S C x C

Part	Size	Box	Ctn	Wt
W 10141 †	1/4	100	3,400	0
W 10142 †	5/16	100	5,600	0.01
W 10143 †	3/8	50	2,000	0.01
W 10144 †	1/2	50	1,700	0.01
W 10145 †	5/8	100	1,000	0.03
W 10157 †	3/4	25	500	0.04
W 10146 †	7/8	50	500	0.06
W 10147 †	1-1/8	25	250	0.11
W 10148 †	1-3/8	25	250	0.15
W 10149 †	1-5/8	10	100	0.22
W 10150 †	2-1/8	-	75	0.41
W 10151 †	2-5/8	-	50	0.66
W 10152	3-1/8	-	25	1.02
W 10153	3-5/8	-	20	1.03
W 10154	4-1/8	-	15	2.15
W 10155	5-1/8	-	8	3.34
W 10156	6-1/8	-	3	4.61
W 10130	8-1/8	-	1	14.13

COUPLING

REDUCING WC-400R C x C

Part	Size	Box	Ctn	Wt
W 01004 †	1/4 x 3/16	50	2,000	0.01
W 01005 †	x 1/8	50	2,000	0
W 01010 †	3/8 x 5/16	50	1,700	0.01
W 01011 †	x 1/4	50	2,000	0.01
W 01019 †	1/2 x 3/8	50	1,700	0.01
W 01021 †	x 1/4	50	1,200	0.02
W 01023 †	5/8 x 1/2	100	1,000	0.03
W 01025 †	x 3/8	100	1,000	0.03
W 01027 †	x 1/4	100	1,000	0.03
W 01029 †	3/4 x 5/8	100	600	0.05
W 01030 †	x 1/2	100	600	0.04
W 01031 †	x 3/8	100	600	0.04
W 01035 †	7/8 x 3/4	100	1,000	0.06
W 01036 †	x 5/8	50	500	0.08
W 01037 †	7/8 x 1/2	50	500	0.06
W 01038 †	x 3/8	50	500	0.06
W 01049 †	1-1/8 x 7/8	25	250	0.13
W 01050 †	x 3/4	25	250	0.11
W 01051 †	x 5/8	25	250	0.11
W 01052 †	x 1/2	25	250	0.11
W 01056 †	1-3/8 x 1-1/8	10	100	0.2
W 01058 †	x 7/8	10	100	0.17
W 01060 †	x 5/8	10	100	0.17
W 01062 †	1-5/8 x 1-3/8	10	100	0.23
W 01065 †	x 1-1/8	10	100	0.23
W 01067 †	x 7/8	10	100	0.24
W 01069 †	x 5/8	10	100	0.22
W 01073 †	2-1/8 x 1-5/8	-	100	0.43
W 01074 †	x 1-3/8	-	100	0.43
W 01075 †	x 1-1/8	-	100	0.46
W 01077 †	x 7/8	-	100	0.4
W 01079 †	x 5/8	-	75	0.41
W 01083 †	2-5/8 x 2-1/8	-	50	0.65
W 01084 †	x 1-5/8	-	50	0.75
W 01085 †	x 1-3/8	-	50	0.7
W 01086 †	x 1-1/8	-	50	0.71
W 01093	3-1/8 x 2-5/8	-	25	1.06
W 01094	x 2-1/8	-	25	1.1
W 01095	x 1-5/8	-	25	1.01
W 10101	3-5/8 x 3-1/8	-	25	1.22
W 10108	4-1/8 x 3-5/8	-	20	1.87
W 10109	x 3-1/8	-	20	0.76
W 10110	x 2-5/8	-	15	1.88
W 10111	x 2-1/8	-	20	1.97

† UL Recognized to 700 PSI (select sizes)

45° ELBOW

WE-504 C x C

Part	Size	Box	Ctn	Wt
W 03005 †	1/4	50	2,000	0.01
W 03012 †	3/8	50	2,800	0.01
W 03021 †	1/2	50	850	0.03
W 03026 †	5/8	50	500	0.04
W 03030 †	3/4	50	500	0.06
W 03034 †	7/8	25	250	0.09
W 03044 †	1-1/8	25	250	0.16
W 03050 †	1-3/8	10	100	0.25
W 03055 †	1-5/8	10	100	0.36
W 03059 †	2-1/8	10	50	0.6
W 03063 †	2-5/8	5	25	1
W 03067	3-1/8	2	20	1.53
W 03070	3-5/8	2	10	2.81
W 03073	4-1/8	-	5	3.14

45° ELBOW

STREET WE-505 FTG x C

Part	Size	Box	Ctn	Wt
W 03312 †	3/8	100	3,400	0.01
W 03321 †	1/2	100	1,500	0.03
W 03326 †	5/8	50	500	0.03
W 03330 †	3/4	50	500	0.06
W 03334 †	7/8	25	250	0.09
W 03344 †	1-1/8	25	250	0.15
W 03350 †	1-3/8	10	100	0.24
W 03355 †	1-5/8	10	100	0.33
W 03359 †	2-1/8	5	50	0.61
W 03363 †	2-5/8	2	20	1.05
W 03368	3-1/8	2	10	1.52
W 03373	4-1/8	-	5	3.11

45° ELBOW

WE-507 FTG x FTG

Part	Size	Box	Ctn	Wt
W 03621 †	1/2	50	1,700	0.02
W 03626 †	5/8	50	750	0.04
W 03634 †	7/8	25	250	0.1
W 03644 †	1-1/8	10	100	0.18

90° ELBOW

SHORT RADIUS WE-500 C x C

Part	Size	Box	Ctn	Wt
W 02003 †	1/4	50	2,000	0.01
W 02009 †	3/8	50	1,700	0.02
W 02017 †	1/2	50	1,000	0.03
W 02022 †	5/8	100	1,000	0.05
W 02028 †	3/4	50	500	0.08
W 02034 †	7/8	50	500	0.11
W 02040 †	1	20	200	0.22
W 02047 †	1-1/8	25	250	0.24
W 02084 †	1-3/8	10	100	0.3
W 02085 †	1-5/8	10	100	0.42
W 02086 †	2-1/8	10	50	0.76
W 02087 †	2-5/8	5	25	1.19
W 02088	3-1/8	5	25	1.88
W 02089	3-5/8	2	10	2.77
W 02090	4-1/8	2	10	4
W 02097	6-1/8	-	1	13.73

REDUCING

W 02011 †	3/8 x 1/4	50	750	0.02
W 02019 †	1/2 x 3/8	50	750	0.03
W 02023 †	5/8 x 1/2	50	500	0.05
W 02025 †	x 3/8	50	500	0.05
W 02029 †	3/4 x 5/8	50	500	0.06
W 02030 †	x 1/2	50	500	0.07
W 02035 †	7/8 x 3/4	50	500	0.11
W 02036 †	x 5/8	50	500	0.11
W 02037 †	x 1/2	50	500	0.11
W 02049 †	1-1/8 x 7/8	25	250	0.17
W 02050 †	x 3/4	25	250	0.16
W 02051 †	x 5/8	25	250	0.18
W 02052 †	x 1/2	25	150	0.2
W 02056 †	1-3/8 x 1-1/8	20	200	0.32
W 02077 †	1-5/8 x 1-3/8	5	100	0.33
W 02078 †	2-1/8 x 1-5/8	5	50	0.6

90° ELBOW

LONG RADIUS WE-500L C x C

Part	Size	Box	Ctn	Wt
W 02701 †	3/16	50	1,000	0
W 02715 †	1/4	50	2,000	0.01
W 02710 †	5/16	50	1,700	0.01
W 02716 †	3/8	50	1,700	0.02
W 02717 †	1/2	50	500	0.04
W 02722 †	5/8	50	500	0.06
W 02728 †	3/4	50	500	0.09
W 02734 †	7/8	25	250	0.13
W 02747 †	1-1/8	10	100	0.27
W 02055 †	1-3/8	10	100	0.42
W 02063 †	1-5/8	5	50	0.6
W 02072 †	2-1/8	5	25	1.23
W 02082 †	2-5/8	5	25	2.05
W 02092	3-1/8	2	10	3.13
W 02093	3-5/8	1	5	5.53
W 02095	4-1/8	-	1	7.98

REDUCING

W 02711 †	3/8 x 1/4	50	3,000	0.01
W 02719 †	1/2 x 3/8	50	2,000	0.03
W 02723 †	5/8 x 1/2	50	1,000	0.04
W 02725 †	x 3/8	50	1,000	0.03
W 02735 †	7/8 x 3/4	25	250	0.12
W 02736 †	x 5/8	50	500	0.09
W 02749 †	1-1/8 x 7/8	10	100	0.17
W 02756 †	1-3/8 x 1-1/8	10	100	0.31
W 02058 †	x 7/8	10	100	0.37
W 02060 †	x 5/8	10	100	0.37
W 02064 †	1-5/8 x 1-3/8	5	50	0.44
W 02065 †	x 1-1/8	5	50	0.52
W 02067 †	x 7/8	5	50	0.51
W 02073 †	2-1/8 x 1-5/8	2	20	0.98
W 02074 †	x 1-3/8	2	20	0.94
W 02075 †	x 1-1/8	2	20	0.97
W 02083 †	2-5/8 x 2-1/8	2	20	1.53

90° ELBOW

STREET SHORT RADIUS WE-503 FTG x C

Part	Size	Box	Ctn	Wt
W 02305 †	1/4	50	2,000	0.01
W 02312 †	3/8	50	1,700	0.02
W 02321 †	1/2	50	750	0.03
W 02326 †	5/8	50	500	0.05
W 02330 †	3/4	25	250	0.09
W 02334 †	7/8	25	250	0.11
W 02344 †	1-1/8	25	250	0.22
W 02384 †	1-3/8	25	125	0.29
W 02385 †	1-5/8	10	100	0.44
W 02386 †	2-1/8	10	50	0.77
W 02387 †	2-5/8	5	25	1.23
W 02388	3-1/8	2	20	1.94
W 02389	3-5/8	1	10	2.78
W 02390	4-1/8	2	10	4.03

90° ELBOW

STREET LONG RADIUS WE-503L FTG x C

Part	Size	Box	Ctn	Wt
W 02809 †	3/8	50	1,700	0.02
W 02817 †	1/2	50	500	0.04
W 02822 †	5/8	50	500	0.06
W 02828 †	3/4	25	250	0.09
W 02834 †	7/8	25	250	0.13
W 02847 †	1-1/8	10	100	0.26
W 02350 †	1-3/8	10	100	0.42
W 02355 †	1-5/8	5	50	0.6
W 02359 †	2-1/8	5	25	1.23
W 02363 †	2-5/8	5	25	2.08
W 02368	3-1/8	2	10	3.12
W 02393	3-5/8	1	5	5.52
W 02395	4-1/8	-	1	8.07