uponor

ProPEX lead-free (LF) brass sweat adapters

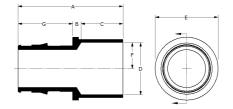
Job name:	Location:
Engineer:	Date submitted:
Contractor:	Submitted by:
Manufacturer's representative:	Approved by:

Technical data	
Material	LF Brass
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar)
	180 °F (82 °C) at 100 psi (6.9 bar)
	200 °F (93 °C) at 80 psi (5.5 bar)
Prop 65 label required?	Yes

Product information and application use

ProPEX® lead-free (LF) brass sweat adapters transition Uponor PEX tubing to copper pipe for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems. 1 These adapters are safe for direct burial in soil.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.



Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	Cv	Equivalent length through [ft]	End Type 1	
LF4513850	1.32	0.229	0.5	0.629	0.719	0.315	0.591	5.7	2	ProPEX 3/8"	
LF4517575	1.863	0.168	0.75	0.879	1.1	0.439	0.945	13.4	2.1	ProPEX 3/4"	
LF4511010	2.268	0.177	0.91	1.13	1.36	0.565	1.181	22.1	2.4	ProPEX 1"	
LF4511313	2.608	0.193	0.97	1.38	1.64	0.69	1.445	34	3.9	ProPEX 1-1/4"	
LF4515075	1.634	0.175	0.75	0.879	0.987	0.439	0.709	5.1	2.7	ProPEX 1/2"	
LF4515050	1.368	0.159	0.5	0.629	0.77	0.315	0.709	5.7	2	ProPEX 1/2"	
LF4517550	1.674	0.229	0.5	0.629	1.1	0.315	0.945	8.8	1.4	ProPEX 3/4"	
LF4517510	2.094	0.239	0.91	1.13	1.256	0.565	0.945	10.9	3.7	ProPEX 3/4"	
LF4511515	3.062	0.268	1.09	1.63	1.85	0.815	1.704	45.5	4.3	ProPEX 1-1/2"	
LF4512020	3.73	0.243	1.34	2.13	2.6	1.065	2.147	83.6	5.3	ProPEX 2"	
LF4512525	4.58	0.28	1.47	2.63	3.36	1.315	2.83	136.2	6.89	ProPEX 2-1/2"	
LF4513030	5.33	0.29	1.66	3.13	3.79	1.565	3.38	189.1	8.79	ProPEX 3"	
	LF4513850 LF4517575 LF4511010 LF4511313 LF4515075 LF4515050 LF4517550 LF4517510 LF4517515 LF4512525	Part no. [Inch] LF4513850 1.32 LF4517575 1.863 LF45117575 1.863 LF4511010 2.268 LF4511313 2.608 LF4515075 1.634 LF4515050 1.368 LF4517550 1.674 LF4517510 2.094 LF4511515 3.062 LF4512220 3.73 LF4512525 4.58	Part no. [Inch] [Inch] LF4513850 1.32 0.229 LF4517575 1.863 0.168 LF4511010 2.268 0.177 LF4511313 2.608 0.193 LF4515075 1.634 0.175 LF4515075 1.634 0.175 LF4515050 1.368 0.159 LF4517550 1.674 0.229 LF4517510 2.094 0.239 LF4511515 3.062 0.268 LF4512020 3.73 0.243 LF4512525 4.58 0.28	Part no. [Inch] [Inch] [Inch] [Inch] LF4513850 1.32 0.229 0.5 LF4517575 1.863 0.168 0.75 LF4511010 2.268 0.177 0.91 LF4511313 2.608 0.193 0.97 LF4515075 1.634 0.175 0.75 LF4515050 1.368 0.159 0.5 LF4517550 1.674 0.229 0.5 LF4517510 2.094 0.239 0.91 LF4511515 3.062 0.268 1.09 LF4512020 3.73 0.243 1.34 LF4512525 4.58 0.28 1.47	Part no. [inch] <th [inch<="" td=""><td>Part no. [inch] [inch</td><td>Part no.[inch][inch][inch][inch][inch][inch][inch][inch]LF45138501.320.2290.50.6290.7190.315LF45175751.8630.1680.750.8791.10.439LF45110102.2680.1770.911.131.360.565LF45113132.6080.1930.971.381.640.69LF45150751.6340.1750.750.8790.9870.439LF45150501.3680.1590.50.6290.770.315LF45175501.6740.2290.50.6291.10.315LF45175102.0940.2390.911.131.2560.565LF45115153.0620.2681.091.631.850.815LF45122203.730.2431.342.132.61.065LF45125254.580.281.472.633.361.315</td><td>Part no.[Inch][Inch][Inch][Inch][Inch][Inch][Inch][Inch][Inch][Inch]LF45138501.320.2290.50.6290.7190.3150.591LF45175751.8630.1680.750.8791.10.4390.945LF45110102.2680.1770.911.131.360.5651.181LF45113132.6080.1930.971.381.640.691.445LF45150751.6340.1750.750.8790.9870.4390.709LF45150501.3680.1590.50.6290.770.3150.709LF45175102.0940.2390.911.131.2560.5650.945LF45115153.0620.2681.091.631.850.8151.704LF45120203.730.2431.342.132.61.0652.147LF45125254.580.281.472.633.361.3152.83</td><td>Part no. 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Part name	Part no.	End Type 2	Weight per UOM [lbs/UOM]
ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	Sweat 1/2"	0.05
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	LF4517575	Sweat 3/4"	0.11
ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper	LF4511010	Sweat 1"	0.2
ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	LF4511313	Sweat 1-1/4"	0.35
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	Sweat 3/4"	0.09
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	LF4515050	Sweat 1/2"	0.05
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	LF4517550	Sweat 1/2"	0.1
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1" Copper	LF4517510	Sweat 1"	0.17

ProPEX LF Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	LF4511515	Sweat 1-1/2"	0.5
ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper	LF4512020	Sweat 2"	1
ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper	LF4512525	Sweat 2-1/2"	1.9
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	Sweat 3"	2.85

Part name	Part no.	Codes	Standards	Listings
ProPEX lead-free (LF) brass sweat adapters	All	UPC IBC IRC IPC NPC of Canada UMC NSPC IMC	NSF-372 ASTM F877 ASTM F1960 CSA B137.5 NSF-61 NSF-14	IAPMO-ES ICC-ES-PMG U.P.Code
In addition, the following parts have a	additional codes, standards, or listings:			
ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	LF4517575		UL 1821	cNSFus-pw-fs-G
ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper	LF4511010		UL 1821	cNSFus-pw-fs-G
ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	LF4511313		UL 1821	cNSFus-pw-fs-G
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	LF4515050			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	LF4517550			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1" Copper	LF4517510			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	LF4511515			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper	LF4512020			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper	LF4512525			cNSFus-pw-G
ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030			cNSFus-pw-G

Use the appropriate Uponor ProPEX rings for the tubing (sold separately). Do not solder within 18" of ProPEX fittings. Refer to the AquaPEX® Professional Plumbing Installation Guide, Radiant Floor Heating Installation Handbook or AquaSAFETM Residential Fire Sprinkler Installation Guide for additional information.

Installation

Related applications

Radiant Heating and Cooling Systems Permafrost Protection Systems Turf Conditioning Systems

AquaSAFE™ Fire Safety Systems

Footnotes	Contact information		
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