ProPEX lead-free (LF) brass sweat adapters

Project information

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

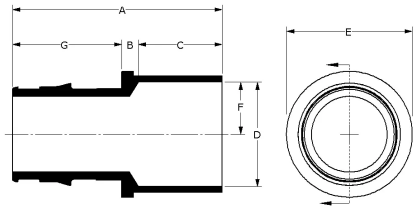
Technical data

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 name	Part no.	A [inch]	B [inch]	C [inch]	D [inch]	E [inch]	F [inch]	G [inch]	Cv	Equivalent length through [ft]	End Type 1
	ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper	LF4513850	1.32	0.229	0.5	0.629	0.719	0.315	0.591	5.7	2	ProPEX 3/8"
	ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper	LF4517575	1.863	0.168	0.75	0.879	1.1	0.439	0.945	13.4	2.1	ProPEX 3/4"
	ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper	LF4511010	2.268	0.177	0.91	1.13	1.36	0.565	1.181	22.1	2.4	ProPEX 1"
	ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper	LF4511313	2.608	0.193	0.97	1.38	1.64	0.69	1.445	34	3.9	ProPEX 1-1/4"
	ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper	LF4515075	1.634	0.175	0.75	0.879	0.987	0.439	0.709	5.1	2.7	ProPEX 1/2"
	ProPEX LF Brass Sweat Adapter, 1/2" PEX x 1/2" Copper	LF4515050	1.368	0.159	0.5	0.629	0.77	0.315	0.709	5.7	2	ProPEX 1/2"
	ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1/2" Copper	LF4517550	1.674	0.229	0.5	0.629	1.1	0.315	0.945	8.8	1.4	ProPEX 3/4"
	ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1" Copper	LF4517510	2.094	0.239	0.91	1.13	1.256	0.565	0.945	10.9	3.7	ProPEX 3/4"
	ProPEX LF Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper	LF4511515	3.062	0.268	1.09	1.63	1.85	0.815	1.704	45.5	4.3	ProPEX 1-1/2"
	ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper	LF4512020	3.73	0.243	1.34	2.13	2.6	1.065	2.147	83.6	5.3	ProPEX 2"
✔	ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper	LF4512525	4.58	0.28	1.47	2.63	3.36	1.315	-	136.2	6.89	ProPEX 2-1/2"
	ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper	LF4513030	5.33	0.29	1.66	3.13	3.79	1.565	-	189.1	8.79	ProPEX 3"

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

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	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/ANSI/CAN 372|ASTM F877|ASTM F1960|CSA B137.5|NSF/ANSI/CAN 61|NSF/ANSI 14	IAPMO-ES|ICC-ES-PMG|U.P.Code
In addition, the following parts have 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

Installation

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.

Related applications

Radiant Heating and Cooling Systems

Permafrost Protection Systems

Turf Conditioning Systems

AquaSAFE™ Fire Safety Systems

Footnotes

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