

# ProPEX lead-free (LF) brass sweat adapters

Submittal information

Date submitted :

## 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)<br>180°F (82°C) at 100 psi (6.9 bar)<br>200°F (93°C) at 80 psi (5.5 bar) |

## 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. These adapters are safe for direct burial in soil.



| Part name                                                 | Part no.  | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | Cv    | Weight per UOM [lbs/UOM] | Equivalent length through [ft] |
|-----------------------------------------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|-------|--------------------------|--------------------------------|
| 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  | 0.2                      | 2.4                            |
| 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    | 0.35                     | 3.9                            |
| 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  | 0.5                      | 4.3                            |
| 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  | 1                        | 5.3                            |
| 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    | 2.83     | 136.2 | 1.9                      | 6.89                           |
| ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper         | LF4513030 | 5.33     | 0.29     | 1.66     | 3.13     | 3.79     | 1.565    | 3.38     | 189.1 | 2.85                     | 8.79                           |
| 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   | 0.05                     | 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   | 0.05                     | 2                              |
| 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   | 0.09                     | 2.7                            |
| 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  | 0.17                     | 3.7                            |
| 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   | 0.1                      | 1.4                            |
| 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  | 0.11                     | 2.1                            |

| Part name                                                 | Part no.  | End type 1    | End type 2   |
|-----------------------------------------------------------|-----------|---------------|--------------|
| ProPEX LF Brass Sweat Adapter, 1" PEX x 1" Copper         | LF4511010 | ProPEX 1"     | Sweat 1"     |
| ProPEX LF Brass Sweat Adapter, 1 1/4" PEX x 1 1/4" Copper | LF4511313 | ProPEX 1-1/4" | Sweat 1-1/4" |
| ProPEX LF Brass Sweat Adapter, 1 1/2" PEX x 1 1/2" Copper | LF4511515 | ProPEX 1-1/2" | Sweat 1-1/2" |
| ProPEX LF Brass Sweat Adapter, 2" PEX x 2" Copper         | LF4512020 | ProPEX 2"     | Sweat 2"     |
| ProPEX LF Brass Sweat Adapter, 2 1/2" PEX x 2 1/2" Copper | LF4512525 | ProPEX 2-1/2" | Sweat 2-1/2" |
| ProPEX LF Brass Sweat Adapter, 3" PEX x 3" Copper         | LF4513030 | ProPEX 3"     | Sweat 3"     |

|                                                       |           |             |            |
|-------------------------------------------------------|-----------|-------------|------------|
| ProPEX LF Brass Sweat Adapter, 3/8" PEX x 1/2" Copper | LF4513850 | ProPEX 3/8" | Sweat 1/2" |
| ProPEX LF Brass Sweat Adapter, 1/2" PEX x 1/2" Copper | LF4515050 | ProPEX 1/2" | Sweat 1/2" |
| ProPEX LF Brass Sweat Adapter, 1/2" PEX x 3/4" Copper | LF4515075 | ProPEX 1/2" | Sweat 3/4" |
| ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1" Copper   | LF4517510 | ProPEX 3/4" | Sweat 1"   |
| ProPEX LF Brass Sweat Adapter, 3/4" PEX x 1/2" Copper | LF4517550 | ProPEX 3/4" | Sweat 1/2" |
| ProPEX LF Brass Sweat Adapter, 3/4" PEX x 3/4" Copper | LF4517575 | ProPEX 3/4" | Sweat 3/4" |

| Installation                                                                                                                                                                                                                                                                                                              | Related applications                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 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 AquaSAFE™ Residential Fire Sprinkler Installation Guide for additional information. | Radiant Heating and Cooling Systems<br>Permafrost Protection Systems<br>Turf Conditioning Systems<br>AquaSAFE™ Fire Safety Systems |

| Codes                                      | Standards                                              | Listings                                  |
|--------------------------------------------|--------------------------------------------------------|-------------------------------------------|
| 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 cNSFus-pw-G U.P.Code* |

| Trademark Information                                                                                                                                                                                               | Contact information                                                                                 |                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| ProPEX® is a registered trademark of Uponor Inc. ProPEX™ is a trademark of Uponor Ltd.<br>* Some SKUs in this family have additional codes, standards, or listings. Please see uponor.com for complete information. | Uponor Inc.<br>5295 148th Street West<br>Apple Valley, MN 55124<br>T 800.321.4739<br>F 952.891.2008 | Uponor Ltd.<br>6510 Kennedy Road<br>Mississauga, ON L5T 2X4<br>T 888.594.7726<br>F 800.636.9517 |