

# ProPEX EP couplings

## Project Information

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

## Technical data

|                       |  |
|-----------------------|--|
| Material              | Engineered Polymer   |
| 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® engineered polymer (EP) coupling is available for use in hot and cold domestic potable water distribution, residential fire safety and radiant heating and cooling systems. Each end of the coupling is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.



| Part name                                   | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | H [inch] | Cv    | Weight per UOM [lbs/UOM] |
|---|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--------------------------|
| ProPEX EP Coupling, 1" PEX x 1" PEX         | Q4771010 | 1.191    | 0.125    | 1.191    | 1.48     | 2.507    | 1.165    | 0.74     | 0.59     | 33.8  | 0.04                     |
| ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX   | Q4771307 | 1.459    | 0.15     | 0.963    | 1.74     | 2.573    | 1.38     | 0.87     | 0.69     | 10.9  | 0.05                     |
| ProPEX EP Coupling, 1 1/4" PEX x 1" PEX     | Q4771310 | 1.459    | 0.15     | 1.198    | 1.74     | 2.807    | 1.38     | 0.87     | 0.69     | 22.3  | 0.06                     |
| ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX | Q4771313 | 1.459    | 0.15     | 1.459    | 1.74     | 3.069    | 1.38     | 0.87     | 0.69     | 53.3  | 0.07                     |
| ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX   | Q4771507 | 1.719    | 0.15     | 0.965    | 1.92     | 2.834    | 1.53     | 0.96     | 0.765    | 10.8  | 0.07                     |
| ProPEX EP Coupling, 1 1/2" PEX x 1" PEX     | Q4771510 | 1.719    | 0.15     | 1.178    | 1.92     | 3.048    | 1.52     | 0.96     | 0.76     | 19    | 0.08                     |
| ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX | Q4771513 | 1.719    | 0.15     | 1.461    | 1.92     | 3.33     | 1.53     | 0.96     | 0.765    | 33.9  | 0.09                     |
| ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX | Q4771515 | 1.719    | 0.15     | 1.719    | 1.92     | 3.588    | 1.53     | 0.96     | 0.765    | 69.5  | 0.1                      |
| ProPEX EP Coupling, 2" PEX x 1 1/2" PEX     | Q4772015 | 2.164    | 0.25     | 1.726    | 2.7      | 4.14     | 2.2      | 1.35     | 1.1      | 45.2  | 0.19                     |
| ProPEX EP Coupling, 2" PEX x 2" PEX         | Q4772020 | 2.164    | 0.25     | 2.164    | 2.7      | 4.578    | 2.2      | 1.35     | 1.1      | 107.8 | 0.24                     |
| ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX | Q4772513 | 2.84     | 0.257    | 1.469    | 3.6      | 4.566    | 2.8      | 1.8      | 1.4      | 29.3  | 0.34                     |
| ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX | Q4772515 | 2.84     | 0.25     | 1.734    | 3.6      | 4.824    | 2.8      | 1.82     | 1.4      | 35.9  | 0.35                     |
| ProPEX EP Coupling, 2 1/2" PEX x 2" PEX     | Q4772520 | 2.84     | 0.25     | 2.172    | 3.6      | 5.262    | 2.8      | 1.82     | 1.4      | 82.6  | 0.4                      |
| ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX | Q4772525 | 2.84     | 0.25     | 2.84     | 3.6      | 5.931    | 2.8      | 1.82     | 1.4      | 219.1 | 0.51                     |
| ProPEX EP Coupling, 3" PEX x 2" PEX         | Q4773020 | 3.391    | 0.25     | 2.177    | 4.2      | 5.819    | 3.3      | 2.12     | 1.65     | 73.4  | 0.6                      |
| ProPEX EP Coupling, 3" PEX x 2 1/2" PEX     | Q4773025 | 3.391    | 0.25     | 2.846    | 4.2      | 6.487    | 3.3      | 2.12     | 1.65     | 136.2 | 0.71                     |
| ProPEX EP Coupling, 3" PEX x 3" PEX         | Q4773030 | 3.391    | 0.25     | 3.391    | 4.2      | 7.033    | 3.3      | 2.12     | 1.65     | 320.6 | 0.85                     |
| ProPEX EP Coupling, 3/8" PEX x 3/8" PEX     | Q4773838 | 0.601    | 0.125    | 0.601    | 0.631    | 1.327    | 0.631    | 0.315    | 0.315    | -     | 0.01                     |
| ProPEX EP Coupling, 1/2" PEX x 1/2" PEX     | Q4775050 | 0.722    | 0.125    | 0.722    | 0.87     | 1.569    | 0.695    | 0.435    | 0.348    | 8.3   | 0.01                     |
| ProPEX EP Coupling, 1/2" PEX x 3/4" PEX     | Q4775075 | 0.723    | 0.117    | 0.959    | 1.22     | 1.799    | 0.98     | 0.61     | 0.49     | 5.2   | 0.03                     |
| ProPEX EP Coupling, 5/8" PEX x 5/8" PEX     | Q4776363 | 0.879    | 0.119    | 0.879    | 1.01     | 1.877    | 0.88     | 0.505    | 0.44     | -     | 0.01                     |
| ProPEX EP Coupling, 3/4" PEX x 1" PEX       | Q4777510 | 0.961    | 0.125    | 1.19     | 1.48     | 2.276    | 1.165    | 0.74     | 0.59     | 12.5  | 0.04                     |
| ProPEX EP Coupling, 3/4" PEX x 3/4" PEX     | Q4777575 | 0.955    | 0.125    | 0.955    | 1.22     | 2.035    | 0.965    | 0.61     | 0.49     | 19    | 0.02                     |

| Part name                                 | Part no. | Equivalent length through [ft] | End Type 1    | End Type 2  |
|---|----------|--------------------------------|---------------|-------------|
| ProPEX EP Coupling, 1" PEX x 1" PEX       | Q4771010 | 0.9                            | ProPEX 1"     | ProPEX 1"   |
| ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX | Q4771307 | 3.6                            | ProPEX 1-1/4" | ProPEX 3/4" |

|   |          |      |               |               |
|---|----------|------|---------------|---------------|
| ProPEX EP Coupling, 1 1/4" PEX x 1" PEX     | Q4771310 | 2.6  | ProPEX 1-1/4" | ProPEX 1"     |
| ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX | Q4771313 | 1.1  | ProPEX 1-1/4" | ProPEX 1-1/4" |
| ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX   | Q4771507 | 3.5  | ProPEX 1-1/2" | ProPEX 3/4"   |
| ProPEX EP Coupling, 1 1/2" PEX x 1" PEX     | Q4771510 | 4.3  | ProPEX 1-1/2" | ProPEX 1"     |
| ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX | Q4771513 | 3.7  | ProPEX 1-1/2" | ProPEX 1-1/4" |
| ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX | Q4771515 | 1.4  | ProPEX 1-1/2" | ProPEX 1-1/2" |
| ProPEX EP Coupling, 2" PEX x 1 1/2" PEX     | Q4772015 | 4.59 | ProPEX 2"     | ProPEX 1-1/2" |
| ProPEX EP Coupling, 2" PEX x 2" PEX         | Q4772020 | 2.7  | ProPEX 2"     | ProPEX 2"     |
| ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX | Q4772513 | 5.4  | ProPEX 2-1/2" | ProPEX 1-1/4" |
| ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX | Q4772515 | 7.5  | ProPEX 2-1/2" | ProPEX 1-1/2" |
| ProPEX EP Coupling, 2 1/2" PEX x 2" PEX     | Q4772520 | 5.4  | ProPEX 2-1/2" | ProPEX 2"     |
| ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX | Q4772525 | 1.7  | ProPEX 2-1/2" | ProPEX 2-1/2" |
| ProPEX EP Coupling, 3" PEX x 2" PEX         | Q4773020 | 7.2  | ProPEX 3"     | ProPEX 2"     |
| ProPEX EP Coupling, 3" PEX x 2 1/2" PEX     | Q4773025 | 7.1  | ProPEX 3"     | ProPEX 2-1/2" |
| ProPEX EP Coupling, 3" PEX x 3" PEX         | Q4773030 | 1.9  | ProPEX 3"     | ProPEX 3"     |
| ProPEX EP Coupling, 3/8" PEX x 3/8" PEX     | Q4773838 | 0.8  | ProPEX 3/8"   | ProPEX 3/8"   |
| ProPEX EP Coupling, 1/2" PEX x 1/2" PEX     | Q4775050 | 0.8  | ProPEX 1/2"   | ProPEX 1/2"   |
| ProPEX EP Coupling, 1/2" PEX x 3/4" PEX     | Q4775075 | 2.6  | ProPEX 1/2"   | ProPEX 3/4"   |
| ProPEX EP Coupling, 5/8" PEX X 5/8" PEX     | Q4776363 | 2.7  | ProPEX 5/8"   | ProPEX 5/8"   |
| ProPEX EP Coupling, 3/4" PEX x 1" PEX       | Q4777510 | 2.7  | ProPEX 3/4"   | ProPEX 1"     |
| ProPEX EP Coupling, 3/4" PEX x 3/4" PEX     | Q4777575 | 0.9  | ProPEX 3/4"   | ProPEX 3/4"   |

| Installation  | Related applications  |
|---|---|
| Use ProPEX rings to make the fitting. Refer to the Uponor Piping Pocket Guide, Radiant Floor Heating Installation Handbook or AquaSAFE™ Residential Fire Sprinkler Installation Guide for more information. | PEX-a Plumbing Systems<br>Hydronic Radiant Heating and Cooling Systems<br>Permafrost Protection Systems<br>Turf Conditioning Systems<br>AquaSAFE™ Fire Safety Systems |

| Codes                                      | Standards  | Listings   |
|--|--|--|
| IMC UPC IBC IRC IPC NPC of Canada UMC NSPC | ASTM F1960 ASTM E1119/UL 263 ASTM E84 ASTM E814/ULC S115 ASTM F877 CSA B137.5 ULC S102.2 NSF-61 ULC S101 NSF-14* | IAPMO-ES ICC-ES-PMG cNSFus-pw UL U.P.Code cQAlus P321 HUD MR 1269* |

| Footnotes  | Contact information  |   |   |
|--|--|---|---|
| -<br>* Some SKUs in this family have additional codes, standards, or listings. Please see uponor.com for complete information. | <table border="0"> <tr> <td style="text-align: center;">           Uponor Inc.<br/>           5925 148th Street West<br/>           Apple Valley, MN 55124<br/>           T 800.321.4739<br/>           F 952.891.2008         </td> <td style="text-align: center;">           Uponor Ltd.<br/>           6510 Kennedy Road<br/>           Mississauga, ON L5T 2X4<br/>           T 888.594.7726<br/>           F 800.638.9517         </td> </tr> </table> | Uponor Inc.<br>5925 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 800.638.9517 |
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