# ProPEX EP 45 elbows

## Project information

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

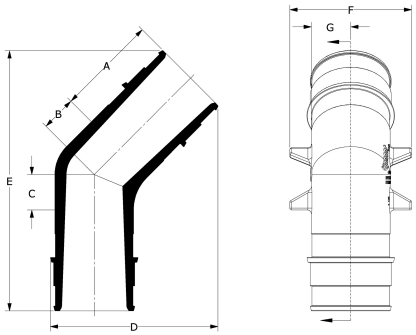
## Technical data

| | |
|---|---|
| Material | Engineered Polymer |
| Temp/pressure ratings | 73 °F (23 °C) at 160 psi (11 bar) |
| | 180 °F (82 °C) at 100 psi (6.9 bar) |
| | 200 °F (93 °C) at 80 psi (5.5 bar) |

## Product information and application use

ProPEX® engineered polymer (EP) elbows make 45-degree connections for Uponor crosslinked polyethylene (PEX-a) tubing for use in hot and cold domestic potable water systems, residential fire safety and hydronic radiant heating and cooling systems. Each end of the elbow is manufactured with an Uponor ProPEX fitting for connections to Uponor AquaPEX® or Wirsbo hePEX™ tubing.

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 EP 45 Elbow, 1" PEX x 1" PEX | Q4761010 | 1.191 | 0.6 | 0.6 | 2.171 | 3.406 | 1.48 | 0.494 | 19.1 | 3.46 | ProPEX 1" |
| | ProPEX EP 45 Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761313 | 1.455 | 0.6 | 0.6 | 2.566 | 3.941 | 1.82 | 0.613 | 29.7 | 3.2 | ProPEX 1-1/4" |
| | ProPEX EP 45 Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761515 | 1.714 | 0.6 | 0.6 | 2.851 | 4.418 | 2.07 | 0.67 | 33.1 | 9.3 | ProPEX 1-1/2" |
| | ProPEX EP 45 Elbow, 2" PEX x 2" PEX | Q4762020 | 2.157 | 0.75 | 0.75 | 3.767 | 5.634 | 2.82 | 0.941 | 68.9 | 8.8 | ProPEX 2" |
| | ProPEX EP 45 Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762525 | 2.83 | 1 | 1 | 4.813 | 7.353 | 3.6 | 1.21 | 136.8 | 7 | ProPEX 2-1/2" |
| | ProPEX EP 45 Elbow, 3" PEX x 3" PEX | Q4763030 | 3.38 | 1.1 | 1.1 | 5.68 | 8.623 | 4.2 | 1.45 | 195.5 | 8.3 | ProPEX 3" |

| | Part name | Part no. | End Type 2 | Weight per UOM [lbs/UOM] |
|---|---|---|---|---|
| ✔ | ProPEX EP 45 Elbow, 1" PEX x 1" PEX | Q4761010 | ProPEX 1" | 0.06 |
| | ProPEX EP 45 Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761313 | ProPEX 1-1/4" | 0.1 |
| | ProPEX EP 45 Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761515 | ProPEX 1-1/2" | 0.13 |
| | ProPEX EP 45 Elbow, 2" PEX x 2" PEX | Q4762020 | ProPEX 2" | 0.32 |
| | ProPEX EP 45 Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762525 | ProPEX 2-1/2" | 0.65 |
| | ProPEX EP 45 Elbow, 3" PEX x 3" PEX | Q4763030 | ProPEX 3" | 1.07 |

© 2024 Uponor North America. All Rights Reserved

| Part name | Part no. | Codes | Standards | Listings |
|---|---|---|---|---|
| ProPEX EP 45 elbows | All | IMC\|UPC\|IBC\|IRC\|IPC\|NPC of Canada\|UMC\|NSPC | ASTM F1960\|ASTM E119/UL 263\|ASTM E84\|ASTM E814/ULC S115\|ASTM F877\|CSA B137.5\|ULC S102.2\|ULC S101 | IAPMO-ES\|ICC-ES-PMG\|cNSFus-pw\|UL\|U.P.Code\|cQAIus P321\|HUD MR 1269 |
| In addition, the following parts have additional codes, standards, or listings: | | | | |
| ProPEX EP 45 Elbow, 1" PEX x 1" PEX | Q4761010 | | NSF-61\|NSF-14 | |
| ProPEX EP 45 Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761313 | | NSF-61\|NSF-14 | |
| ProPEX EP 45 Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761515 | | NSF/ANSI/CAN 61\|NSF/ANSI 14 | |
| ProPEX EP 45 Elbow, 2" PEX x 2" PEX | Q4762020 | | NSF/ANSI/CAN 61\|NSF/ANSI 14 | |
| ProPEX EP 45 Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762525 | | NSF-61\|NSF-14 | |
| ProPEX EP 45 Elbow, 3" PEX x 3" PEX | Q4763030 | | NSF-61\|NSF-14 | |

| Installation | Related applications |
|---|---|
| Use the appropriate ProPEX ring for PEX-a tubing. Refer to the Uponor PEX Piping Systems Design and Installation Manual for additional information. | PEX-a Plumbing Systems<br>Hydronic Radiant Heating and Cooling Systems<br>Turf Conditioning Systems<br>Permafrost Prevention Systems<br>AquaSAFE™ Fire Safety Systems |

| Footnotes | Contact information | |
|---|---|---|
| - | 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 |

© 2024 Uponor North America. All Rights Reserved