# ProPEX EP 90 elbows

## Project information

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

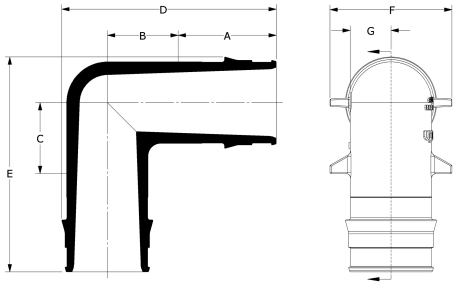
## Technical data

| | |
|---|---|
| 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 90-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.1

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 Elbow, 1/2" PEX x 1/2" PEX | Q4760500 | 0.719 | 0.55 | 0.55 | 1.578 | 1.578 | 0.87 | 0.28 | 2.6 | 10.4 | ProPEX 1/2" |
| | ProPEX EP Elbow, 1" PEX x 1" PEX | Q4761000 | 1.191 | 0.86 | 0.86 | 2.606 | 2.606 | 1.48 | 0.494 | 11.9 | 11.52 | ProPEX 1" |
| | ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761250 | 1.455 | 1.1 | 1.1 | 3.236 | 3.236 | 1.82 | 0.613 | 22.2 | 10 | ProPEX 1-1/4" |
| | ProPEX EP Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761500 | 1.714 | 1.2 | 1.2 | 3.661 | 3.661 | 2.07 | 0.67 | 29.7 | 11.52 | ProPEX 1-1/2" |
| | ProPEX EP Elbow, 2" PEX x 2" PEX | Q4762000 | 2.157 | 1.6 | 1.6 | 4.797 | 4.797 | 2.82 | 0.95 | 50.2 | 17.1 | ProPEX 2" |
| | ProPEX EP Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762500 | 2.83 | 2.1 | 2.1 | 6.22 | 6.22 | 3.6 | 1.22 | 86 | 20 | ProPEX 2-1/2" |
| ✔ | ProPEX EP Elbow, 3" PEX x 3" PEX | Q4763000 | 3.38 | 2.5 | 2.5 | 7.417 | 7.417 | 4.2 | 1.46 | 125 | 23.2 | ProPEX 3" |
| | ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | Q4760750 | 0.955 | 0.675 | 0.675 | 2.067 | 2.067 | 1.22 | 0.386 | 6.7 | 10.8 | ProPEX 3/4" |

| | Part name | Part no. | End Type 2 | Weight per UOM [lbs/UOM] |
|---|---|---|---|---|
| | ProPEX EP Elbow, 1/2" PEX x 1/2" PEX | Q4760500 | ProPEX 1/2" | 0.02 |
| | ProPEX EP Elbow, 1" PEX x 1" PEX | Q4761000 | ProPEX 1" | 0.07 |
| | ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761250 | ProPEX 1-1/4" | 0.11 |
| | ProPEX EP Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761500 | ProPEX 1-1/2" | 0.18 |
| | ProPEX EP Elbow, 2" PEX x 2" PEX | Q4762000 | ProPEX 2" | 0.3 |
| | ProPEX EP Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762500 | ProPEX 2-1/2" | 0.85 |
| ✔ | ProPEX EP Elbow, 3" PEX x 3" PEX | Q4763000 | ProPEX 3" | 1.44 |
| | ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | Q4760750 | ProPEX 3/4" | 0.03 |

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| Part name | Part no. | Codes | Standards | Listings |
|---|---|---|---|---|
| ProPEX EP 90 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\|NSF/ANSI/CAN 61\|ULC S101\|NSF/ANSI 14 | IAPMO-ES\|ICC-ES-PMG\|UL\|U.P.Code\|cQAIus P321\|HUD MR 1269 |
| In addition, the following parts have additional codes, standards, or listings: | | | | |
| ProPEX EP Elbow, 1/2" PEX x 1/2" PEX | Q4760500 | | | cNSFus-pw |
| ProPEX EP Elbow, 1" PEX x 1" PEX | Q4761000 | | UL 1821 | cNSFus-pw-fs |
| ProPEX EP Elbow, 1 1/4" PEX x 1 1/4" PEX | Q4761250 | | UL 1821 | cNSFus-pw-fs |
| ProPEX EP Elbow, 1 1/2" PEX x 1 1/2" PEX | Q4761500 | | | cNSFus-pw |
| ProPEX EP Elbow, 2" PEX x 2" PEX | Q4762000 | | | cNSFus-pw |
| ProPEX EP Elbow, 2 1/2" PEX x 2 1/2" PEX | Q4762500 | | | cNSFus-pw |
| ProPEX EP Elbow, 3" PEX x 3" PEX | Q4763000 | | | cNSFus-pw |
| ProPEX EP Elbow, 3/4" PEX x 3/4" PEX | Q4760750 | | UL 1821 | cNSFus-pw-fs |

## Installation

Use the appropriate ProPEX ring for PEX-a tubing. Refer to the Uponor Piping Pocket Guide, AquaSAFE™ Residential Fire Sprinkler Installation Guide or Uponor Radiant Installation Handbook for additional information.

## Related applications

PEX-a Plumbing Systems

Hydronic Radiant Heating and Cooling Systems

Turf Conditioning Systems

Permafrost Prevention Systems

AquaSAFE™ Fire Safety Systems

## Footnotes

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## Contact information

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