

ProPEX EP couplings

Project information

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

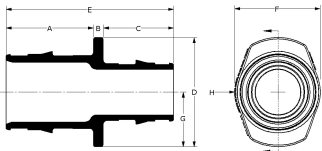
Technical data

Material	Engineered Polymer
Temp/pressure ratings	73 °F (23 °C) at 160 psi (11 bar)
	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) 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.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 [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	Cv	End Type 1
ProPEX EP Coupling, 3/8" PEX x 3/8" PEX	Q4773838	15.27	3.18	15.27	16.03	33.71	16.03	8.01	8.01	-	ProPEX 3/8"
ProPEX EP Coupling, 1/2" PEX x 1/2" PEX	Q4775050	18.33	3.18	18.33	22.10	39.84	17.65	11.05	8.83	8.3	ProPEX 1/2"
ProPEX EP Coupling, 1/2" PEX x 3/4" PEX	Q4775075	18.36	2.98	24.36	30.99	45.69	24.89	15.49	12.45	5.2	ProPEX 1/2"
ProPEX EP Coupling, 5/8" PEX X 5/8" PEX	Q4776363	22.32	3.03	22.32	25.65	47.68	22.35	12.83	11.18	-	ProPEX 5/8"
ProPEX EP Coupling, 3/4" PEX x 3/4" PEX	Q4777575	24.26	3.18	24.26	30.99	51.69	24.51	15.49	12.45	19	ProPEX 3/4"
ProPEX EP Coupling, 3/4" PEX x 1" PEX	Q4777510	24.41	3.18	30.23	37.59	57.82	29.59	18.80	14.99	12.5	ProPEX 3/4"
ProPEX EP Coupling, 1" PEX x 1" PEX	Q4771010	30.25	3.18	30.25	37.59	63.68	29.59	18.80	14.99	33.8	ProPEX 1"
ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX	Q4771307	37.07	3.81	24.47	44.20	65.35	35.05	22.10	17.53	10.9	ProPEX 1-1/4"
ProPEX EP Coupling, 1 1/4" PEX x 1" PEX	Q4771310	37.07	3.81	30.42	44.20	71.30	35.05	22.10	17.53	22.3	ProPEX 1-1/4"
ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX	Q4771313	37.07	3.81	37.07	44.20	77.95	35.05	22.10	17.53	53.3	ProPEX 1-1/4"
ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX	Q4771507	43.66	3.81	24.51	48.77	71.99	38.86	24.38	19.43	10.8	ProPEX 1-1/2"
ProPEX EP Coupling, 1 1/2" PEX x 1" PEX	Q4771510	43.66	3.81	29.93	48.77	77.41	38.61	24.38	19.30	19	ProPEX 1-1/2"
ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX	Q4771513	43.66	3.81	37.11	48.77	84.59	38.86	24.38	19.43	33.9	ProPEX 1-1/2"
ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX	Q4771515	43.66	3.81	43.66	48.77	91.14	38.86	24.38	19.42	69.5	ProPEX 1-1/2"
ProPEX EP Coupling, 2" PEX x 1 1/2" PEX	Q4772015	54.97	6.35	43.84	68.58	105.16	55.88	34.29	27.94	45.2	ProPEX 2"
ProPEX EP Coupling, 2" PEX x 2" PEX	Q4772020	54.97	6.35	54.97	68.58	116.29	55.88	34.29	27.94	107.8	ProPEX 2"
ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX	Q4772513	72.14	6.53	37.31	91.44	115.98	71.12	45.72	35.56	29.3	ProPEX 2-1/2"
ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX	Q4772515	72.14	6.35	44.04	91.44	122.53	71.12	46.23	35.56	35.9	ProPEX 2-1/2"
ProPEX EP Coupling, 2 1/2" PEX x 2" PEX	Q4772520	72.14	6.35	55.17	91.44	133.66	71.12	46.23	35.56	82.6	ProPEX 2-1/2"
ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX	Q4772525	72.14	6.35	72.14	91.44	150.64	71.12	46.23	35.56	219.1	ProPEX 2-1/2"

											2-1/2"
ProPEX EP Coupling, 3" PEX x 2" PEX	Q4773020	86.14	6.35	55.30	106.68	147.79	83.82	53.85	41.91	73.4	ProPEX 3"
ProPEX EP Coupling, 3" PEX x 2 1/2" PEX	Q4773025	86.14	6.35	72.28	106.68	164.77	83.82	53.85	41.91	136.2	ProPEX 3"
ProPEX EP Coupling, 3" PEX x 3" PEX	Q4773030	86.14	6.35	86.14	106.68	178.63	83.82	53.85	41.91	320.6	ProPEX 3"

Part name	Part no.	End Type 2					Weight per UOM [kg/UOM]				
ProPEX EP Coupling, 3/8" PEX x 3/8" PEX	Q4773838	ProPEX 3/8"					0.005				
ProPEX EP Coupling, 1/2" PEX x 1/2" PEX	Q4775050	ProPEX 1/2"					0.005				
ProPEX EP Coupling, 1/2" PEX x 3/4" PEX	Q4775075	ProPEX 3/4"					0.014				
ProPEX EP Coupling, 5/8" PEX X 5/8" PEX	Q4776363	ProPEX 5/8"					0.005				
ProPEX EP Coupling, 3/4" PEX x 3/4" PEX	Q4777575	ProPEX 3/4"					0.009				
ProPEX EP Coupling, 3/4" PEX x 1" PEX	Q4777510	ProPEX 1"					0.018				
ProPEX EP Coupling, 1" PEX x 1" PEX	Q4771010	ProPEX 1"					0.018				
ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX	Q4771307	ProPEX 3/4"					0.023				
ProPEX EP Coupling, 1 1/4" PEX x 1" PEX	Q4771310	ProPEX 1"					0.027				
ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX	Q4771313	ProPEX 1-1/4"					0.032				
ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX	Q4771507	ProPEX 3/4"					0.032				
ProPEX EP Coupling, 1 1/2" PEX x 1" PEX	Q4771510	ProPEX 1"					0.036				
ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX	Q4771513	ProPEX 1-1/4"					0.041				
ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX	Q4771515	ProPEX 1-1/2"					0.045				
ProPEX EP Coupling, 2" PEX x 1 1/2" PEX	Q4772015	ProPEX 1-1/2"					0.086				
ProPEX EP Coupling, 2" PEX x 2" PEX	Q4772020	ProPEX 2"					0.109				
ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX	Q4772513	ProPEX 1-1/4"					0.154				
ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX	Q4772515	ProPEX 1-1/2"					0.159				
ProPEX EP Coupling, 2 1/2" PEX x 2" PEX	Q4772520	ProPEX 2"					0.181				
ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX	Q4772525	ProPEX 2-1/2"					0.231				
ProPEX EP Coupling, 3" PEX x 2" PEX	Q4773020	ProPEX 2"					0.272				
ProPEX EP Coupling, 3" PEX x 2 1/2" PEX	Q4773025	ProPEX 2-1/2"					0.322				
ProPEX EP Coupling, 3" PEX x 3" PEX	Q4773030	ProPEX 3"					0.386				

Part name	Part no.	Codes	Standards	Listings
ProPEX EP couplings	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 UL U.P.Code cQAlus P321 HUD MR 1269
In addition, the following parts have additional codes, standards, or listings:				
ProPEX EP Coupling, 3/8" PEX x 3/8" PEX	Q4773838		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 1/2" PEX x 1/2" PEX	Q4775050		NSF/ANSI/CAN 61 NSF/ANSI 14	cNSFus-pw
ProPEX EP Coupling, 1/2" PEX x 3/4" PEX	Q4775075		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 5/8" PEX X 5/8" PEX	Q4776363		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 3/4" PEX x 3/4" PEX	Q4777575		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 3/4" PEX x 1" PEX	Q4777510		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 1" PEX x 1" PEX	Q4771010		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 1 1/4" PEX x 3/4" PEX	Q4771307		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 1 1/4" PEX x 1" PEX	Q4771310		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 1 1/4" PEX x 1 1/4" PEX	Q4771313		UL 1821 NSF-61 NSF-14	cNSFus-pw-fs
ProPEX EP Coupling, 1 1/2" PEX x 3/4" PEX	Q4771507		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 1 1/2" PEX x 1" PEX	Q4771510		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 1 1/2" PEX x 1 1/4" PEX	Q4771513		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 1 1/2" PEX x 1 1/2" PEX	Q4771515		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2" PEX x 1 1/2" PEX	Q4772015		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2" PEX x 2" PEX	Q4772020		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2 1/2" PEX x 1 1/4" PEX	Q4772513		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2 1/2" PEX x 1 1/2" PEX	Q4772515		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2 1/2" PEX x 2" PEX	Q4772520		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 2 1/2" PEX x 2 1/2" PEX	Q4772525		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 3" PEX x 2" PEX	Q4773020		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 3" PEX x 2 1/2" PEX	Q4773025		NSF-61 NSF-14	cNSFus-pw
ProPEX EP Coupling, 3" PEX x 3" PEX	Q4773030		NSF-61 NSF-14	cNSFus-pw

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
	Hydronic Radiant Heating and Cooling Systems
	Permafrost Protection Systems
	Turf Conditioning Systems
	AquaSAFE™ Fire Safety Systems

Footnotes	Contact information
-	Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008
	Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517