

Uponor PP-RCT reducing tees, mechanical (butt to socket fusion)



Project Information

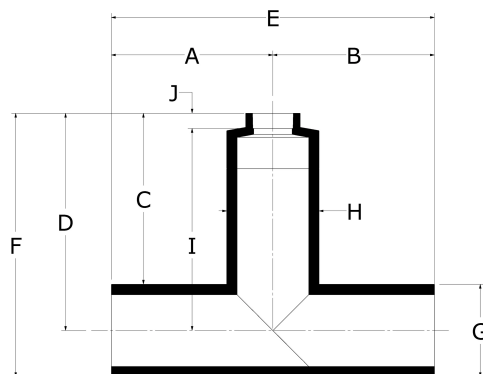
| | |
|--------------------------------|-----------------|
| Job name: | Location: |
| Engineer: | Date submitted: |
| Contractor: | Submitted by: |
| Manufacturer's representative: | Approved by: |

Technical data

Material PP-RCT

Product information and application use

Use Uponor PP-RCT reducing tees with Uponor PP-RCT mechanical pipe to convey water for hydronic heating and cooling or industrial applications.



| Part name | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | H [inch] | I [inch] | J [inch] |
|--|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114851025 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.291 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 11, Butt to Socket Fusion | PR114851030 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.173 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 11, Butt to Socket Fusion | PR114851040 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 18.898 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 11, Butt to Socket Fusion | PR114851230 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 23.209 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 11, Butt to Socket Fusion | PR114851240 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 22.933 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114856625 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.142 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 11, Butt to Socket Fusion | PR114856630 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.024 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114858825 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.323 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 11, Butt to Socket Fusion | PR114858830 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.205 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 17.6 Butt to Socket Fusion | PR174851025 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.291 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 17.6, Butt to Socket Fusion | PR174851030 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.173 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 17.6, Butt to Socket Fusion | PR174851040 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 18.898 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 17.6, Butt to Socket Fusion | PR174851230 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 23.209 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 17.6, Butt to Socket Fusion | PR174851240 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 22.933 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 17.6, Butt to Socket Fusion | PR174856625 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.142 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 17.6, Butt to Socket Fusion | PR174856630 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.024 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 17.6, Butt to Socket Fusion | PR174858825 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.323 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 17.6, Butt to Socket Fusion | PR174858830 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.205 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 9, Butt to Socket Fusion | PR9485101025 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.291 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 9, Butt to Socket Fusion | PR9485101030 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 19.173 | 1.299 |

| | | | | | | | | | | | |
|--|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 9, Butt to Socket Fusion | PR9485101040 | 15.748 | 15.748 | 15.551 | 20.472 | 31.496 | 25.394 | 9.843 | 9.843 | 18.898 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 9, Butt to Socket Fusion | PR9485121230 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 23.209 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 9, Butt to Socket Fusion | PR9485121240 | 19.783 | 19.783 | 18.307 | 24.508 | 39.567 | 30.709 | 12.402 | 12.402 | 22.933 | 1.575 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion | PR94856625 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.142 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 9, Butt to Socket Fusion | PR94856630 | 12.598 | 12.598 | 14.173 | 17.323 | 25.197 | 20.472 | 6.299 | 6.299 | 16.024 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion | PR94858825 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.323 | 1.181 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 9, Butt to Socket Fusion | PR94858830 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 17.205 | 1.299 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9, Butt to Socket Fusion | PR94858840 | 13.78 | 13.78 | 14.567 | 18.504 | 27.559 | 22.441 | 7.874 | 7.874 | 16.929 | 1.575 |

| Part name | Part no. | Equivalent length branch [ft] | Equivalent length through [ft] | End Type 1 | End Type 2 | End Type 3 | Operating Temperature 1 [°F] | Operating Temperature 2 [°F] | Operating Temperature 3 [°F] | Weight per UOM [lbs/UOM] |
|--|-------------|-------------------------------|--------------------------------|------------|------------|---------------|----------------------------------|-----------------------------------|----------------------------------|--------------------------|
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114851025 | 67.1 | 8.4 | Butt 10" | Butt 10" | Socket 2-1/2" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 38.13 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 11, Butt to Socket Fusion | PR114851030 | 63.8 | 8.4 | Butt 10" | Butt 10" | Socket 3" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 38.12 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 11, Butt to Socket Fusion | PR114851040 | 60.4 | 8.4 | Butt 10" | Butt 10" | Socket 4" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 38.31 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 11, Butt to Socket Fusion | PR114851230 | 84.5 | 10.6 | Butt 12" | Butt 12" | Socket 3" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 75.03 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 11, Butt to Socket Fusion | PR114851240 | 80.3 | 10.6 | Butt 12" | Butt 12" | Socket 4" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 74.82 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114856625 | 38.7 | 5.4 | Butt 6" | Butt 6" | Socket 2-1/2" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 13.1 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 11, Butt to Socket Fusion | PR114856630 | 36.5 | 5.4 | Butt 6" | Butt 6" | Socket 3" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 13.21 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 11, Butt to Socket Fusion | PR114858825 | 51 | 6.7 | Butt 8" | Butt 8" | Socket 2-1/2" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 21.81 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 11, Butt to Socket Fusion | PR114858830 | 48.3 | 6.7 | Butt 8" | Butt 8" | Socket 3" | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) | 180 °F (82 °C) at 80 psi (82 °C) | 21.84 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 17.6 Butt to Socket Fusion | PR174851025 | 72.7 | 9.1 | Butt 10" | Butt 10" | Socket 2-1/2" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 24.91 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 3", SDR 17.6, Butt to Socket Fusion | PR174851030 | 69 | 9.1 | Butt 10" | Butt 10" | Socket 3" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 24.94 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 17.6, Butt to Socket Fusion | PR174851040 | 65.4 | 9.1 | Butt 10" | Butt 10" | Socket 4" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 25.26 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 17.6, Butt to Socket Fusion | PR174851230 | 91.6 | 11.5 | Butt 12" | Butt 12" | Socket 3" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 48.57 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 17.6, Butt to Socket Fusion | PR174851240 | 87.1 | 11.5 | Butt 12" | Butt 12" | Socket 4" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 48.87 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 17.6, Butt to Socket Fusion | PR174856625 | 41.9 | 5.8 | Butt 6" | Butt 6" | Socket 2-1/2" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 8.66 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 17.6, Butt to Socket Fusion | PR174856630 | 39.5 | 5.8 | Butt 6" | Butt 6" | Socket 3" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 8.73 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 17.6, Butt to Socket | PR174858825 | 55.2 | 7.3 | Butt 8" | Butt 8" | Socket 2-1/2" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 14.34 |

| Fusion | | | | | | | | | | |
|--|--------------|------|-----|----------|----------|---------------|----------------------------------|-----------------------------------|-----------------------------------|-------|
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 17.6, Butt to Socket Fusion | PR174858830 | 52.3 | 7.3 | Butt 8" | Butt 8" | Socket 3" | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C) | 180 °F (82 °C) at 50 psi (82 °C) | 14.47 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 2 1/2", SDR 9, Butt to Socket Fusion | PR9485101025 | 62 | 7.7 | Butt 10" | Butt 10" | Socket 2-1/2" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 46.09 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 9, Butt to Socket Fusion | PR9485101030 | 60 | 7.7 | Butt 10" | Butt 10" | Socket 3" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 46 |
| Uponor PP-RCT Reducing Tee, Mechanical, 10" x 10" x 4", SDR 9, Butt to Socket Fusion | PR9485101040 | 56.8 | 7.7 | Butt 10" | Butt 10" | Socket 4" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 45.93 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 3", SDR 9, Butt to Socket Fusion | PR9485121230 | 78.2 | 9.1 | Butt 12" | Butt 12" | Socket 3" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 90.65 |
| Uponor PP-RCT Reducing Tee, Mechanical, 12" x 12" x 4", SDR 9, Butt to Socket Fusion | PR9485121240 | 75.5 | 9.1 | Butt 12" | Butt 12" | Socket 4" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 90.26 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 2 1/2", SDR 9, Butt to Socket Fusion | PR94856625 | 35.4 | 5 | Butt 6" | Butt 6" | Socket 2-1/2" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 15.68 |
| Uponor PP-RCT Reducing Tee, Mechanical, 6" x 6" x 3", SDR 9, Butt to Socket Fusion | PR94856630 | 33.4 | 5 | Butt 6" | Butt 6" | Socket 3" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 15.72 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 2 1/2", SDR 9, Butt to Socket Fusion | PR94858825 | 48.1 | 6.2 | Butt 8" | Butt 8" | Socket 2-1/2" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 26.28 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 3", SDR 9, Butt to Socket Fusion | PR94858830 | 45.6 | 6.2 | Butt 8" | Butt 8" | Socket 3" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 26.22 |
| Uponor PP-RCT Reducing Tee, Mechanical, 8" x 8" x 4", SDR 9, Butt to Socket Fusion | PR94858840 | 43.3 | 6.2 | Butt 8" | Butt 8" | Socket 4" | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) | 180 °F (82 °C) at 100 psi (82 °C) | 26.44 |

| Part name | Part no. | Codes | Standards | Listings |
|---|----------|-------------|---|---|
| Uponor PP-RCT reducing tees, mechanical (butt to socket fusion) | All | CMC IMC UMC | ASTM E84 NSF/ANSI 14 ASTM F2389 CSA B137.11 | ICC-ES-PMG 1106 IAPMO-R&T 8358 QAI P321-5 IAPMO K-12775 |

| Installation | Related applications |
|--|--|
| Use approved socket-fusion connection methods. Refer to the Uponor PP-RCT manual for complete details. | Hydronic heating and cooling systems Industrial |

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