

# Uponor PP-RCT 45 elbows, mechanical, short radius (butt fusion)

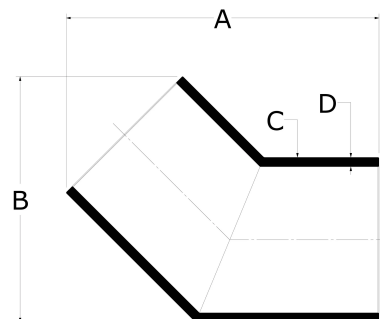


## Project Information

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

## Technical data

Material PP-RCT



45 ELBOW  
SHORT RADIUS

| Part name   | Part no.     | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | Equivalent length through [ft] | End Type 1 | End Type 2 | Operating Temperature 1 [°F]     | Operating Temperature 2 [°F]      |
|---|--------------|----------|----------|----------|----------|----------|--------------------------------|------------|------------|----------------------------------|-----------------------------------|
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 11, Short Radius   | PR1147645100 | 20.13    | 15.276   | 9.843    | 0.894    | -        | 10.1                           | Butt 10"   | Butt 10"   | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 11, Short Radius   | PR1147645120 | 23.492   | 18.48    | 12.402   | 1.126    | -        | 12.7                           | Butt 12"   | Butt 12"   | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 11, Short Radius     | PR114764561  | 15.022   | 10.657   | 6.299    | 0.575    | -        | 6.4                            | Butt 6"    | Butt 6"    | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 11, Short Radius     | PR114764581  | 23.523   | 15.315   | 7.874    | 0.717    | -        | 8.1                            | Butt 8"    | Butt 8"    | 73 °F (23 °C) at 215 psi (23 °C) | 140 °F (60 °C) at 120 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 17.6, Short Radius | PR1747645100 | 20.13    | 15.276   | 9.843    | 0.559    | -        | 10.9                           | Butt 10"   | Butt 10"   | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C)  |
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 17.6, Short Radius | PR1747645120 | 23.492   | 18.48    | 12.402   | 0.705    | -        | 13.7                           | Butt 12"   | Butt 12"   | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C)  |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 17.6, Short Radius   | PR1747645600 | 15.091   | 10.685   | 6.299    | 0.358    | -        | 7                              | Butt 6"    | Butt 6"    | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C)  |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 17.6, Short Radius   | PR1747645800 | 23.523   | 15.315   | 7.874    | 0.449    | -        | 8.7                            | Butt 8"    | Butt 8"    | 73 °F (23 °C) at 130 psi (23 °C) | 140 °F (60 °C) at 70 psi (60 °C)  |
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 9, Short Radius    | PR947645100  | 20.13    | 15.276   | 9.843    | 1.098    | -        | 9.6                            | Butt 10"   | Butt 10"   | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 9, Short Radius    | PR947645120  | 23.492   | 18.48    | 12.402   | 1.386    | -        | 12                             | Butt 12"   | Butt 12"   | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 9, Short Radius      | PR94764561   | 14.752   | 10.551   | 6.299    | 0.705    | -        | 6                              | Butt 6"    | Butt 6"    | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 9, Short Radius      | PR94764581   | 23.523   | 15.315   | 7.874    | 0.882    | -        | 7.6                            | Butt 8"    | Butt 8"    | 73 °F (23 °C) at 265 psi (23 °C) | 140 °F (60 °C) at 150 psi (60 °C) |

| Part name   | Part no.     | Operating Temperature 3 [°F]     | Weight per UOM [lbs/UOM] |
|---|--------------|----------------------------------|--------------------------|
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 11, Short Radius | PR1147645100 | 180 °F (82 °C) at 80 psi (82 °C) | 17.57                    |

|   |              |                                   |       |
|---|--------------|-----------------------------------|-------|
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 11, Short Radius   | PR1147645120 | 180 °F (82 °C) at 80 psi (82 °C)  | 31.89 |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 11, Short Radius     | PR114764561  | 180 °F (82 °C) at 80 psi (82 °C)  | 5.39  |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 11, Short Radius     | PR114764581  | 180 °F (82 °C) at 80 psi (82 °C)  | 13.98 |
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 17.6, Short Radius | PR1747645100 | 180 °F (82 °C) at 50 psi (82 °C)  | 11.64 |
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 17.6, Short Radius | PR1747645120 | 180 °F (82 °C) at 50 psi (82 °C)  | 19.82 |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 17.6, Short Radius   | PR1747645600 | 180 °F (82 °C) at 50 psi (82 °C)  | 3.63  |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 17.6, Short Radius   | PR1747645800 | 180 °F (82 °C) at 50 psi (82 °C)  | 9.26  |
| Uponor PP-RCT 45 Elbow, Mechanical, 10" x 10", SDR 9, Short Radius    | PR947645100  | 180 °F (82 °C) at 100 psi (82 °C) | 20.84 |
| Uponor PP-RCT 45 Elbow, Mechanical, 12" x 12", SDR 9, Short Radius    | PR947645120  | 180 °F (82 °C) at 100 psi (82 °C) | 38.03 |
| Uponor PP-RCT 45 Elbow, Mechanical, 6" x 6", SDR 9, Short Radius      | PR94764561   | 180 °F (82 °C) at 100 psi (82 °C) | 6.48  |
| Uponor PP-RCT 45 Elbow, Mechanical, 8" x 8", SDR 9, Short Radius      | PR94764581   | 180 °F (82 °C) at 100 psi (82 °C) | 16.58 |

| Part name   | Part no. | Codes       | Standards                                   | Listings  |
|---|----------|-------------|---|---|
| Uponor PP-RCT 45 elbows, mechanical, short radius (butt 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 |
|--------------|----------------------|
| -            | -                    |

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