

Uponor PP-RCT saddles (outlet and socket fusion)

Project Information

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

Technical data

| | |
|-----------------------|---|
| Material | PP-RCT |
| Temp/pressure ratings | 73 °F (23 °C) at 340 psi (23.44 bar) 140 °F (60 °C) at 190 psi (13.1 bar) 180 °F (82 °C) at 100 psi (6.9 bar) |

Product Information and application use

Use Uponor PP-RCT Outlet and Socket-Fusion Saddles with Uponor PP-RCT Mechanical Pipe to convey fluid for hydronic heating and cooling or industrial applications and with Uponor PP-RCT Potable Pipe to convey water for potable plumbing applications.



| Part name | Part no. | A [inch] | B [inch] | C [inch] | D [inch] | E [inch] | F [inch] | G [inch] | Equivalent length through [ft] | End Type 1 | End Type 2 |
|--|------------|----------|----------|----------|----------|----------|----------|----------|--------------------------------|---------------|---------------|
| Uponor PP-RCT Saddle, 10" x 1", for Outlet Fusion | PR47810010 | 0.748 | 0.276 | 1.264 | 1.979 | 1.535 | 9.874 | 0.768 | 1 | Saddle 10" | Socket 1" |
| Uponor PP-RCT Saddle, 10" x 2 1/2", for Outlet Fusion | PR47810025 | 1.26 | 0.394 | 2.961 | 3.074 | 3.63 | 9.874 | 1.815 | 2.5 | Saddle 10" | Socket 2-1/2" |
| Uponor PP-RCT Saddle, 10" x 3", for Outlet Fusion | PR47810030 | 1.378 | 0.433 | 3.559 | 3.374 | 4.354 | 9.874 | 2.177 | 3 | Saddle 10" | Socket 3" |
| Uponor PP-RCT Saddle, 10" x 4", for Outlet Fusion | PR47810040 | 1.732 | 0.512 | 4.929 | 4.269 | 6.043 | 9.874 | 3.022 | 5 | Saddle 10" | Socket 4" |
| Uponor PP-RCT Saddle, 12" x 2", for Outlet Fusion | PR47812020 | 1.122 | 0.354 | 2.488 | 3.054 | 3.039 | 12.433 | 1.52 | 2.1 | Saddle 12" | Socket 2" |
| Uponor PP-RCT Saddle, 12" x 2 1/2", for Outlet Fusion | PR47812025 | 1.26 | 0.394 | 2.961 | 3.301 | 3.63 | 12.433 | 1.815 | 2.5 | Saddle 12" | Socket 2-1/2" |
| Uponor PP-RCT Saddle, 12" x 3", for Outlet Fusion | PR47812030 | 1.378 | 0.433 | 3.559 | 3.566 | 4.354 | 12.433 | 2.177 | 3 | Saddle 12" | Socket 3" |
| Uponor PP-RCT Saddle, 12" x 4", for Outlet Fusion | PR47812040 | 1.732 | 0.512 | 4.929 | 4.338 | 6.043 | 12.433 | 3.022 | 5 | Saddle 12" | Socket 4" |
| Uponor PP-RCT Saddle, 1 1/4" x 1/2", for Outlet Fusion | PR4781350 | 0.571 | 0.157 | 0.984 | 1.27 | 1.496 | 1.575 | 0.524 | 0.6 | Saddle 1-1/4" | Socket 1/2" |
| Uponor PP-RCT Saddle, 1 1/4" x 3/4", for Outlet Fusion | PR4781375 | 0.63 | 0.169 | 0.984 | 1.341 | 1.496 | 1.575 | 0.644 | 0.8 | Saddle 1-1/4" | Socket 1/2" |
| Uponor PP-RCT Saddle, 1 1/2" x 1/2", for Outlet Fusion | PR4781550 | 0.571 | 0.157 | 0.984 | 1.128 | 1.496 | 1.969 | 0.524 | 0.6 | Saddle 1-1/2" | Socket 1/2" |
| Uponor PP-RCT Saddle, 1 1/2" x 3/4", for Outlet Fusion | PR4781575 | 0.63 | 0.169 | 0.984 | 1.199 | 1.496 | 1.969 | 0.644 | 0.8 | Saddle 1-1/2" | Socket 3/4" |
| Uponor PP-RCT Saddle, 2" x 1", for Outlet Fusion | PR4782010 | 0.713 | 0.24 | 1.26 | 1.548 | 1.65 | 2.48 | 0.825 | 1 | Saddle 2" | Socket 1" |
| Uponor PP-RCT Saddle, 2" x 1/2", for Outlet Fusion | PR4782050 | 0.571 | 0.157 | 0.984 | 1.213 | 1.496 | 2.48 | 0.524 | 0.6 | Saddle 2" | Socket 1/2" |
| Uponor PP-RCT Saddle, 2" x 3/4", for Outlet Fusion | PR4782075 | 0.63 | 0.165 | 0.984 | 1.28 | 1.496 | 2.48 | 0.644 | 0.8 | Saddle 2" | Socket 3/4" |
| Uponor PP-RCT Saddle, 2 1/2" x 1", for Outlet Fusion | PR4782510 | 0.713 | 0.24 | 1.26 | 1.563 | 1.65 | 2.953 | 0.825 | 1 | Saddle 2-1/2" | Socket 1" |
| Uponor PP-RCT Saddle, 2 1/2" x 1/2", for Outlet Fusion | PR4782550 | 0.571 | 0.157 | 0.984 | 1.254 | 1.496 | 2.953 | 0.524 | 0.6 | Saddle 2-1/2" | Socket 1/2" |
| Uponor PP-RCT Saddle, 2 1/2" x 3/4", for Outlet Fusion | PR4782575 | 0.63 | 0.169 | 0.984 | 1.324 | 1.496 | 2.953 | 0.644 | 0.8 | Saddle 2-1/2" | Socket 3/4" |
| Uponor PP-RCT Saddle, 3" x 1", for Outlet Fusion | PR4783010 | 0.713 | 0.24 | 1.26 | 1.602 | 1.65 | 3.543 | 0.825 | 1 | Saddle 3" | Socket 1" |

| | | | | | | | | | | | |
|--|------------|-------|-------|-------|-------|-------|-------|-------|-----|---------------|---------------|
| Uponor PP-RCT Saddle, 3" x 1/2", for Outlet Fusion | PR4783050 | 0.571 | 0.157 | 0.984 | 1.31 | 1.496 | 3.543 | 0.524 | 0.6 | Saddle 3" | Socket 1/2" |
| Uponor PP-RCT Saddle, 3" x 3/4", for Outlet Fusion | PR4783075 | 0.63 | 0.165 | 0.984 | 1.377 | 1.496 | 3.543 | 0.644 | 0.8 | Saddle 3" | Socket 3/4" |
| Uponor PP-RCT Saddle, 4" x 1", for Outlet Fusion | PR4784010 | 0.713 | 0.24 | 1.26 | 1.741 | 1.65 | 4.921 | 0.825 | 1 | Saddle 4" | Socket 1" |
| Uponor PP-RCT Saddle, 4" x 1 1/4", for Outlet Fusion | PR4784013 | 0.807 | 0.264 | 1.575 | 1.927 | 2.047 | 4.921 | 1.024 | 1.3 | Saddle 4" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 4" x 1 1/2", for Outlet Fusion | PR4784015 | 0.925 | 0.335 | 1.969 | 2.228 | 2.594 | 4.921 | 1.297 | 1.7 | Saddle 4" | Socket 1-1/2" |
| Uponor PP-RCT Saddle, 4" x 2", for Outlet Fusion | PR4784020 | 1.079 | 0.413 | 2.48 | 2.666 | 3.264 | 4.921 | 1.632 | 2.1 | Saddle 4" | Socket 2" |
| Uponor PP-RCT Saddle, 4" x 1/2", for Outlet Fusion | PR4784050 | 0.571 | 0.157 | 0.984 | 1.47 | 1.496 | 4.921 | 0.524 | 0.6 | Saddle 4" | Socket 1/2" |
| Uponor PP-RCT Saddle, 4" x 3/4", for Outlet Fusion | PR4784075 | 0.63 | 0.165 | 0.984 | 1.537 | 1.496 | 4.921 | 0.644 | 0.8 | Saddle 4" | Socket 3/4" |
| Uponor PP-RCT Saddle, 6" x 1", for Outlet Fusion | PR4786010 | 0.713 | 0.24 | 1.26 | 1.74 | 1.65 | 6.299 | 0.825 | 1 | Saddle 6" | Socket 1" |
| Uponor PP-RCT Saddle, 6" x 1 1/4", for Outlet Fusion | PR4786013 | 0.807 | 0.264 | 1.575 | 1.906 | 2.047 | 6.299 | 1.024 | 1.3 | Saddle 6" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 6" x 1 1/2", for Outlet Fusion | PR4786015 | 0.925 | 0.335 | 1.969 | 2.171 | 2.594 | 6.299 | 1.297 | 1.7 | Saddle 6" | Socket 1-1/2" |
| Uponor PP-RCT Saddle, 6" x 2", for Outlet Fusion | PR4786020 | 1.079 | 0.413 | 2.48 | 2.535 | 3.264 | 6.299 | 1.632 | 2.1 | Saddle 6" | Socket 2" |
| Uponor PP-RCT Saddle, 6" x 2 1/2", for Outlet Fusion | PR4786025 | 1.181 | 0.492 | 2.953 | 2.874 | 3.909 | 6.299 | 1.955 | 2.5 | Saddle 6" | Socket 2-1/2" |
| Uponor PP-RCT Saddle, 8" x 1", for Outlet Fusion | PR4788010 | 0.748 | 0.276 | 1.264 | 1.995 | 1.535 | 7.898 | 0.768 | 1 | Saddle 8" | Socket 1" |
| Uponor PP-RCT Saddle, 8" x 1 1/2", for Outlet Fusion | PR4788015 | 0.984 | 0.315 | 1.976 | 2.37 | 2.409 | 7.898 | 1.205 | 1.7 | Saddle 8" | Socket 1-1/2" |
| Uponor PP-RCT Saddle, 8" x 2", for Outlet Fusion | PR4788020 | 1.122 | 0.354 | 2.488 | 2.648 | 3.039 | 7.898 | 1.52 | 2.1 | Saddle 8" | Socket 2" |
| Uponor PP-RCT Saddle, 8" x 2 1/2", for Outlet Fusion | PR4788025 | 1.26 | 0.394 | 2.961 | 2.943 | 3.63 | 7.898 | 1.815 | 2.5 | Saddle 8" | Socket 2-1/2" |
| Uponor PP-RCT Saddle, 8" x 3", for Outlet Fusion | PR4788030 | 1.378 | 0.433 | 3.559 | 3.291 | 4.354 | 7.898 | 2.177 | 3 | Saddle 8" | Socket 3" |
| Uponor PP-RCT Saddle, 8" x 4", for Outlet Fusion | PR4788040 | 1.732 | 0.512 | 4.929 | 4.407 | 6.043 | 7.898 | 3.022 | 5 | Saddle 8" | Socket 4" |
| Uponor PP-RCT Saddle, 6" x 3", for Outlet Fusion | PR4786030 | 1.181 | 0.591 | 3.543 | 3.237 | 4.697 | 6.299 | 2.348 | 3 | Saddle 6" | Socket 3" |
| Uponor PP-RCT Saddle, 10" x 2", for Outlet Fusion | PR47810020 | 1.122 | 0.354 | 2.488 | 2.807 | 3.039 | 9.874 | 1.52 | 2.1 | Saddle 10" | Socket 2" |
| Uponor PP-RCT Saddle, 10" x 1 1/4", for Outlet Fusion | PR47810013 | 0.807 | 0.315 | 1.575 | 2.339 | 2.047 | 9.877 | 1.024 | 1.3 | Saddle 10" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 10" x 1 1/2", for Outlet Fusion | PR47810015 | 0.925 | 0.197 | 1.969 | 2.393 | 2.594 | 9.875 | 1.297 | 1.7 | Saddle 10" | Socket 1-1/2" |
| Uponor PP-RCT Saddle, 10" x 1/2", for Outlet Fusion | PR47810050 | 0.61 | 0.197 | 0.787 | 1.952 | 1.087 | 9.882 | 0.543 | 0.6 | Saddle 10" | Socket 1/2" |
| Uponor PP-RCT Saddle, 10" x 3/4", for Outlet Fusion | PR47810075 | 0.709 | 0.236 | 0.996 | 2.1 | 1.354 | 9.875 | 0.677 | 0.8 | Saddle 10" | Socket 3/4" |
| Uponor PP-RCT Saddle, 2 1/2" x 1 1/4", for Outlet Fusion | PR4782513 | 0.807 | 0.264 | 1.575 | 1.715 | 2.047 | 2.953 | 1.024 | 1.3 | Saddle 2-1/2" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 3" x 1 1/4", for Outlet Fusion | PR4783013 | 0.807 | 0.264 | 1.575 | 1.716 | 2.047 | 3.544 | 1.024 | 1.3 | Saddle 3" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 6" x 1/2", for Outlet Fusion | PR4786050 | 0.571 | 0.157 | 0.984 | 1.483 | 1.496 | 6.304 | 0.524 | 0.6 | Saddle 6" | Socket 1/2" |
| Uponor PP-RCT Saddle, 6" x 3/4", for Outlet Fusion | PR4786075 | 0.63 | 0.165 | 0.984 | 1.55 | 1.496 | 6.304 | 0.644 | 0.8 | Saddle 6" | Socket 3/4" |
| Uponor PP-RCT Saddle, 8" x 1 1/4", for Outlet Fusion | PR4788013 | 0.807 | 0.315 | 1.575 | 2.107 | 2.047 | 7.899 | 1.024 | 1.3 | Saddle 8" | Socket 1-1/4" |
| Uponor PP-RCT Saddle, 8" x 1/2", for Outlet Fusion | PR4788050 | 0.571 | 0.197 | 0.787 | 1.699 | 1.046 | 7.904 | 0.523 | 0.6 | Saddle 8" | Socket 1/2" |
| Uponor PP-RCT Saddle, 8" x 3/4", for Outlet Fusion | PR4788075 | 0.63 | 0.236 | 0.984 | 1.788 | 1.287 | 7.906 | 0.644 | 0.8 | Saddle 8" | Socket 3/4" |

| Part name | Part no. | Weight per UOM [lbs/UOM] |
|---|------------|--------------------------|
| Uponor PP-RCT Saddle, 10" x 1", for Outlet Fusion | PR47810010 | 0.06 |
| Uponor PP-RCT Saddle, 10" x 2 1/2", for Outlet Fusion | PR47810025 | 0.67 |

| | | |
|--|------------|------|
| Uponor PP-RCT Saddle, 10" x 3", for Outlet Fusion | PR47810030 | 0.87 |
| Uponor PP-RCT Saddle, 10" x 4", for Outlet Fusion | PR47810040 | 2.12 |
| Uponor PP-RCT Saddle, 12" x 2", for Outlet Fusion | PR47812020 | 0.25 |
| Uponor PP-RCT Saddle, 12" x 2 1/2", for Outlet Fusion | PR47812025 | 0.69 |
| Uponor PP-RCT Saddle, 12" x 3", for Outlet Fusion | PR47812030 | 0.89 |
| Uponor PP-RCT Saddle, 12" x 4", for Outlet Fusion | PR47812040 | 2.11 |
| Uponor PP-RCT Saddle, 1 1/4" x 1/2", for Outlet Fusion | PR4781350 | 0.03 |
| Uponor PP-RCT Saddle, 1 1/4" x 3/4", for Outlet Fusion | PR4781375 | 0.03 |
| Uponor PP-RCT Saddle, 1 1/2" x 1/2", for Outlet Fusion | PR4781550 | 0.03 |
| Uponor PP-RCT Saddle, 1 1/2" x 3/4", for Outlet Fusion | PR4781575 | 0.03 |
| Uponor PP-RCT Saddle, 2" x 1", for Outlet Fusion | PR4782010 | 0.05 |
| Uponor PP-RCT Saddle, 2" x 1/2", for Outlet Fusion | PR4782050 | 0.03 |
| Uponor PP-RCT Saddle, 2" x 3/4", for Outlet Fusion | PR4782075 | 0.03 |
| Uponor PP-RCT Saddle, 2 1/2" x 1", for Outlet Fusion | PR4782510 | 0.05 |
| Uponor PP-RCT Saddle, 2 1/2" x 1/2", for Outlet Fusion | PR4782550 | 0.03 |
| Uponor PP-RCT Saddle, 2 1/2" x 3/4", for Outlet Fusion | PR4782575 | 0.03 |
| Uponor PP-RCT Saddle, 3" x 1", for Outlet Fusion | PR4783010 | 0.05 |
| Uponor PP-RCT Saddle, 3" x 1/2", for Outlet Fusion | PR4783050 | 0.03 |
| Uponor PP-RCT Saddle, 3" x 3/4", for Outlet Fusion | PR4783075 | 0.03 |
| Uponor PP-RCT Saddle, 4" x 1", for Outlet Fusion | PR4784010 | 0.05 |
| Uponor PP-RCT Saddle, 4" x 1 1/4", for Outlet Fusion | PR4784013 | 0.09 |
| Uponor PP-RCT Saddle, 4" x 1 1/2", for Outlet Fusion | PR4784015 | 0.18 |
| Uponor PP-RCT Saddle, 4" x 2", for Outlet Fusion | PR4784020 | 0.33 |
| Uponor PP-RCT Saddle, 4" x 1/2", for Outlet Fusion | PR4784050 | 0.03 |
| Uponor PP-RCT Saddle, 4" x 3/4", for Outlet Fusion | PR4784075 | 0.03 |
| Uponor PP-RCT Saddle, 6" x 1", for Outlet Fusion | PR4786010 | 0.05 |
| Uponor PP-RCT Saddle, 6" x 1 1/4", for Outlet Fusion | PR4786013 | 0.08 |
| Uponor PP-RCT Saddle, 6" x 1 1/2", for Outlet Fusion | PR4786015 | 0.16 |
| Uponor PP-RCT Saddle, 6" x 2", for Outlet Fusion | PR4786020 | 0.3 |
| Uponor PP-RCT Saddle, 6" x 2 1/2", for Outlet Fusion | PR4786025 | 0.49 |
| Uponor PP-RCT Saddle, 8" x 1", for Outlet Fusion | PR4788010 | 0.06 |
| Uponor PP-RCT Saddle, 8" x 1 1/2", for Outlet Fusion | PR4788015 | 0.2 |
| Uponor PP-RCT Saddle, 8" x 2", for Outlet Fusion | PR4788020 | 0.22 |
| Uponor PP-RCT Saddle, 8" x 2 1/2", for Outlet Fusion | PR4788025 | 0.68 |
| Uponor PP-RCT Saddle, 8" x 3", for Outlet Fusion | PR4788030 | 0.88 |
| Uponor PP-RCT Saddle, 8" x 4", for Outlet Fusion | PR4788040 | 2.18 |
| Uponor PP-RCT Saddle, 6" x 3", for Outlet Fusion | PR4786030 | 0.75 |
| Uponor PP-RCT Saddle, 10" x 2", for Outlet Fusion | PR47810020 | 0.23 |
| Uponor PP-RCT Saddle, 10" x 1 1/4", for Outlet Fusion | PR47810013 | 0.11 |
| Uponor PP-RCT Saddle, 10" x 1 1/2", for Outlet Fusion | PR47810015 | 0.2 |
| Uponor PP-RCT Saddle, 10" x 1/2", for Outlet Fusion | PR47810050 | 0.02 |
| Uponor PP-RCT Saddle, 10" x 3/4", for Outlet Fusion | PR47810075 | 0.03 |
| Uponor PP-RCT Saddle, 2 1/2" x 1 1/4", for Outlet Fusion | PR4782513 | 0.09 |
| Uponor PP-RCT Saddle, 3" x 1 1/4", for Outlet Fusion | PR4783013 | 0.09 |
| Uponor PP-RCT Saddle, 6" x 1/2", for Outlet Fusion | PR4786050 | 0.03 |
| Uponor PP-RCT Saddle, 6" x 3/4", for Outlet Fusion | PR4786075 | 0.03 |
| Uponor PP-RCT Saddle, 8" x 1 1/4", for Outlet Fusion | PR4788013 | 0.11 |

Uponor PP-RCT Saddle, 8" x 1/2", for Outlet Fusion

PR4788050

0.02

Uponor PP-RCT Saddle, 8" x 3/4", for Outlet Fusion

PR4788075

0.03

| Part name | Part no. | Codes | Standards | Listings |
|---|------------|-------------|---|---|
| Uponor PP-RCT saddles (outlet and 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 |
| In addition, the following parts have additional codes, standards, or listings: | | | | |
| Uponor PP-RCT Saddle, 10" x 1 1/4", for Outlet Fusion | PR47810013 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 10" x 1 1/2", for Outlet Fusion | PR47810015 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 10" x 1/2", for Outlet Fusion | PR47810050 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 10" x 3/4", for Outlet Fusion | PR47810075 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 2 1/2" x 1 1/4", for Outlet Fusion | PR4782513 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 3" x 1 1/4", for Outlet Fusion | PR4783013 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 6" x 1/2", for Outlet Fusion | PR4786050 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 6" x 3/4", for Outlet Fusion | PR4786075 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 8" x 1 1/4", for Outlet Fusion | PR4788013 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 8" x 1/2", for Outlet Fusion | PR4788050 | | NSF/ANSI/CAN 61 | |
| Uponor PP-RCT Saddle, 8" x 3/4", for Outlet Fusion | PR4788075 | | NSF/ANSI/CAN 61 | |

| 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 Domestic water systems |

| Footnotes | Contact information | | |
|---|--|---|---|
| - | <table border="0"> <tr> <td>Uponor Inc. 5925 148th Street West Apple Valley, MN 55124 T 800.321.4739 F 952.891.2008</td> <td>Uponor Ltd. 6510 Kennedy Road Mississauga, ON L5T 2X4 T 888.594.7726 F 800.638.9517</td> </tr> </table> | 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 |
| 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 | | |