

**MODELS 7120 TEE
7135 CROSS
7130 45° LATERAL**

Shurjoint grooved-end fittings are made of ductile iron per ASTM A536 Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15. C-E dimensions are manufacturer's standard.

For sizes larger than 14" (350 mm) are fabricated from standard weight (0.375" or 9.5 mm) carbon steel pipe to ASTM A234 GR. WPB or segmentally welded with carbon steel of the same or equivalent grade. C-E dimensions conform to ANSI B16.9.

Shurjoint standard fitting pressure ratings conform to the ratings of Model 7707 couplings.



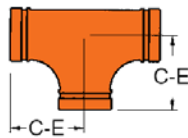
7120

7135

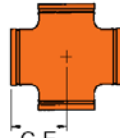
7130



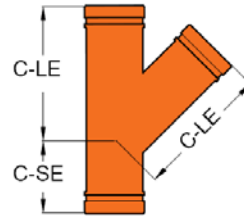
For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, www.shurjoint.com for details or contact your **SHURJOINT** Representative.



7120 Tee



7135 Cross



7130
45° Lateral



Full warranty terms can be found on www.shurjoint.com

| Model 7120 TEE / 7135 CROSS / 7130 45° LATERAL | | | | | | | | | |
|--|-----------------|----------------|--------------|----------------|--------------|-------------------|-----------------|---------------|--|
| Nominal Pipe Size | Pipe O.D. | #7120 Tee | | #7135 Cross | | #7130 45° Lateral | | | |
| in mm | in mm | C-E in / mm | Lbs Kgs | C-E in / mm | Lbs Kgs | C-LE in / mm | C-SE in / mm | Lbs Kgs | |
| 1 25 | 1.315 33.4 | 2.25 57 | 0.9 0.4 | 2.25 57 | --- | --- | --- | --- | |
| 1¼ 32 | 1.660 42.2 | 2.75 70 | 1.5 0.7 | 2.75 70 | --- | --- | --- | --- | |
| 1½ 40 | 1.900 48.3 | 2.75 70 | 2.0 0.9 | 2.75 70 | --- | --- | --- | --- | |
| 2 50 | 2.375 60.3 | 3.25 83 | 2.9 1.3 | 3.25 83 | 2.7 1.2 | 7.00 178 | 2.75 70 | 4.4 2.0 | |
| 2½ 65 | 2.875 73.0 | 3.75 95 | 4.8 2.2 | 3.75 95 | 6.6 3.0 | 7.75 197 | 3.00 76 | 6.2 2.8 | |
| 76.1 mm | 3.000 76.1 | 3.75 95 | 5.1 2.3 | 3.75 95 | 6.6 3.0 | 7.75 197 | 3.00 76 | 6.2 2.8 | |
| 3 80 | 3.500 88.9 | 4.25 108 | 6.8 3.1 | 4.25 108 | 6.8 3.1 | 8.50 216 | 3.25 83 | 9.2 4.2 | |
| 4 100 | 4.500 114.3 | 5.00 127 | 9.9 4.5 | 5.00 127 | 11.5 5.2 | 10.50 267 | 3.75 95 | 17.6 8.0 | |
| 108.0 mm | 4.250 108.0 | 5.00 127 | 9.0 4.1 | --- | --- | --- | --- | --- | |
| 133.0 mm | 5.250 133.0 | 5.50 140 | 13.2 6.0 | --- | --- | --- | --- | --- | |
| 139.7 mm | 5.500 139.7 | 5.50 140 | 14.3 6.5 | 5.50 140 | 13.0 5.9 | 12.50 318 | 4.00 102 | 27.5 12.5 | |
| 5 125 | 5.563 141.3 | 5.50 140 | 14.3 6.5 | 5.50 140 | 13.0 5.9 | 12.50 318 | 4.00 102 | 27.5 12.5 | |
| 6 150 | 6.250 159.0 | 6.50 165 | 18.9 8.6 | --- | --- | --- | --- | --- | |
| 165.1 mm | 6.500 165.1 | 6.50 165 | 21.7 9.9 | 6.50 165 | 32.0 14.5 | 14.00 356 | 4.50 114 | 40.7 18.5 | |
| 6 150 | 6.625 168.3 | 6.50 165 | 22.0 10.0 | 6.50 165 | 32.0 14.5 | 14.00 356 | 4.50 114 | 40.7 18.5 | |
| 8 200 | 8.625 219.1 | 7.75 197 | 44.0 20.0 | 7.75 197 | 44.1 20.0 | 18.00 457 | 6.00 152 | 70.4 32.0 | |
| 10 250 | 10.750 273.0 | 9.00 229 | 68.2 31.0 | --- | --- | 20.50 521 | 6.50 165 | 138.9 63.0 | |

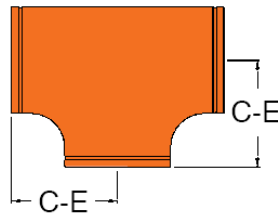
| Model 7120 TEE / 7135 CROSS / 7130 45° LATERAL | | | | | | | | | |
|---|-----------|-----------|-------|-------------|------|-------------------|---------|-------|--|
| Nominal Pipe Size | Pipe O.D. | #7120 Tee | | #7135 Cross | | #7130 45° Lateral | | | |
| | | C-E | Lbs | C-E | Lbs | C-LE | C-SE | Lbs | |
| in | in | in / mm | Kgs | in / mm | Kgs | in / mm | in / mm | Kgs | |
| 12 | 12.750 | 10.00 | 96.7 | --- | --- | 23.00 | 7.00 | 201.7 | |
| 300 | 323.9 | 254 | 43.9 | --- | --- | 584 | 178 | 91.5 | |
| 200 JIS | 8.516 | 7.75 | 44.0 | 7.75 | 44.1 | 18.00 | 6.00 | 70.4 | |
| | 216.3 | 197 | 20.0 | 197 | 20.0 | 457 | 152 | 32.0 | |
| 250 JIS | 10.528 | 9.00 | 68.2 | --- | --- | 20.50 | 6.50 | 124.6 | |
| | 267.4 | 229 | 31.0 | --- | --- | 521 | 165 | 56.5 | |
| 300 JIS | 12.539 | 10.00 | 96.7 | --- | --- | 23.00 | 7.00 | 201.7 | |
| | 318.5 | 254 | 43.9 | --- | --- | 584 | 178 | 91.5 | |
| 14 | 14.000 | 11.00 | 114.6 | --- | --- | --- | --- | --- | |
| 350 | 355.6 | 280 | 52.0 | --- | --- | --- | --- | --- | |
| 16 | 16.000 | 12.00 | 149.9 | --- | --- | --- | --- | --- | |
| 400 | 406.4 | 305 | 68.0 | --- | --- | --- | --- | --- | |

WROUGHT STEEL GROOVED END FITTINGS

MODEL W120 TEE

Material: ASTM A234 Gr. WPB, Standard weight (0.375" or 9.5 mm), or carbon steel of the same or equivalent grade.

C-E dimensions: conform to ANSI B16.9.



| Model W120 Tee | | | | |
|-----------------------|-----------|-------------|-----------|--------|
| Nominal Pipe Size | Pipe O.D. | C-E | #W120 Tee | Weight |
| | | | | Lbs |
| in | in | in | | Kgs |
| 14 | 14.000 | 11.00 | | 110.2 |
| 350 | 355.6 | 279.4 | | 50.0 |
| 16 | 16.000 | 12.00 | | 145.4 |
| 400 | 406.4 | 304.8 | | 66.1 |
| 18 | 18.000 | 13.50 | | 169.8 |
| 450 | 457.2 | 342.9 | | 77.0 |
| 20 | 20.000 | 15.00 | | 209.4 |
| 500 | 508.0 | 381.0 | | 95.0 |
| 22 | 22.000 | 16.50 | | 277.2 |
| 550 | 558.8 | 419.1 | | 126.0 |
| 24 | 24.000 | 17.00 | | 267.9 |
| 600 | 609.6 | 431.8 | | 121.5 |
| 26 | 26.000 | 19.50 | | 346.7 |
| 650 | 660.4 | 495.3 | | 157.6 |
| 28 | 28.000 | 20.50 | | 388.5 |
| 700 | 711.0 | 520.7 | | 176.6 |
| 30 | 30.000 | 22.00 | | 446.4 |
| 750 | 762.0 | 558.8 | | 202.9 |
| 32 | 32.000 | 23.50 | | 508.2 |
| 800 | 812.8 | 596.9 | | 231.0 |
| 34 | 34.000 | 25.00 | | 574.0 |
| 850 | 863.6 | 635.0 | | 260.9 |
| 36 | 36.000 | 26.50 | | 643.9 |
| 900 | 914.4 | 673.1 | | 292.7 |
| 40 | 40.000 | 29.50 | | 795.5 |
| 1000 | 1016.0 | 749.3 | | 361.6 |
| 42 | 42.000 | 30.00/28.00 | | 812.9 |
| 1050 | 1066.8 | 762.0/711.2 | | 369.5 |

MATERIAL SPECIFICATIONS

• **Fitting body:**

Ductile Iron castings to ASTM A536, Gr. 65-45-12 and or to ASTM A395, Gr. 65-45-15, min. tensile strength 65,000 psi (448 MPa).

Wrought fittings to ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.

• **Surface Finish:**

- Orange color painted or red RAL3000 color painted.
- Hot dip galvanized (Option).
- Epoxy coated in red RAL3000 or other colors (Option)

General Notes:

- **Pressure Ratings** for fittings conform to the working pressure of the coupling used to join the system.
- **Listed and or Approved Pressures** are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the **Shurjoint** website.
- **Field Joint Test:** For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- **Warning:** Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- **The 10 Year Limited Warranty** applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- **Shurjoint** reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.

| | | | |
|-------------|------------|-----------|--|
| Job Name: | System No. | Location: | |
| Contractor: | Approved: | Date: | |
| Engineer: | Approved: | Date: | |

Shurjoint product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.