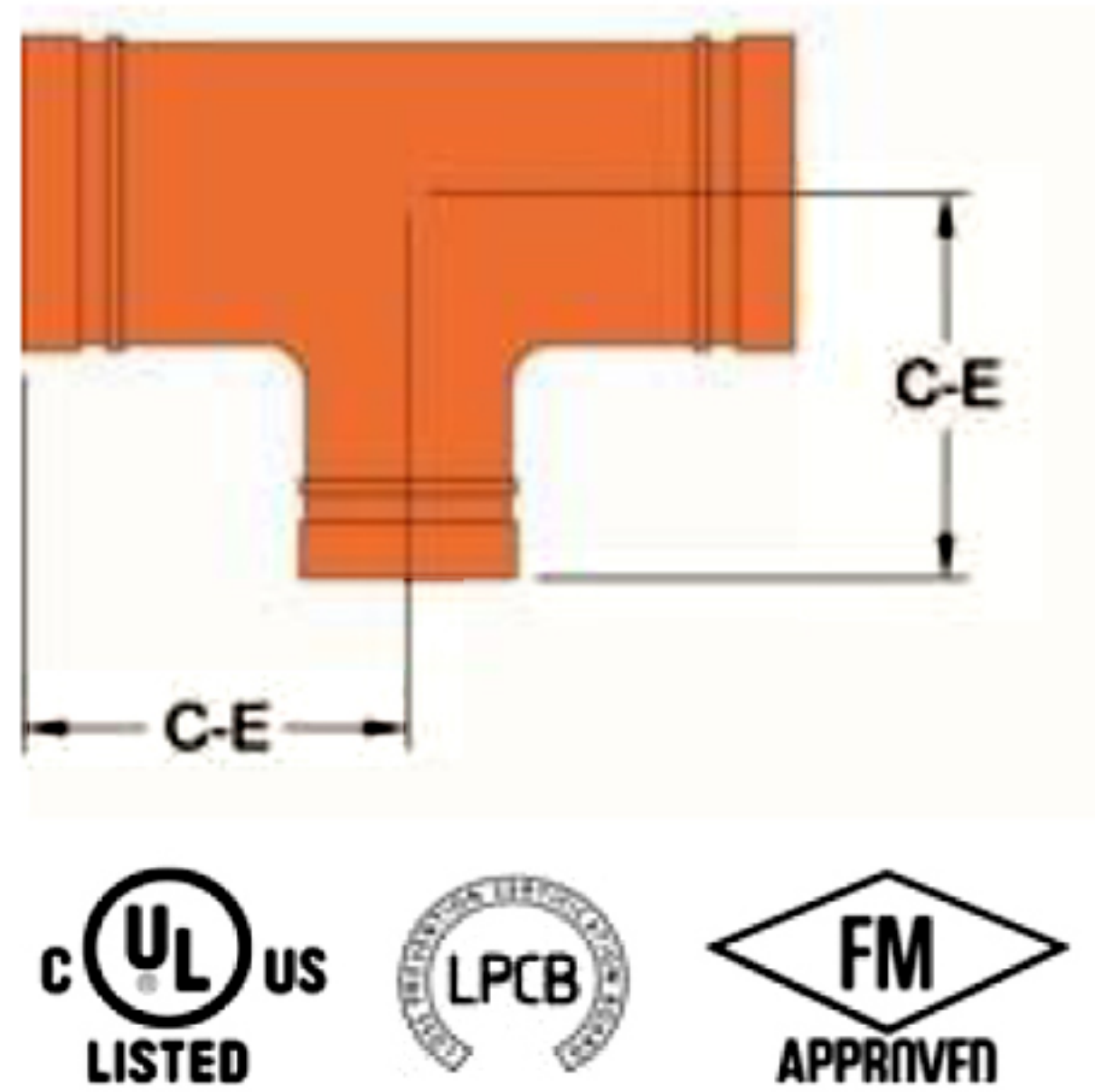


MODEL 7121 REDUCING TEE

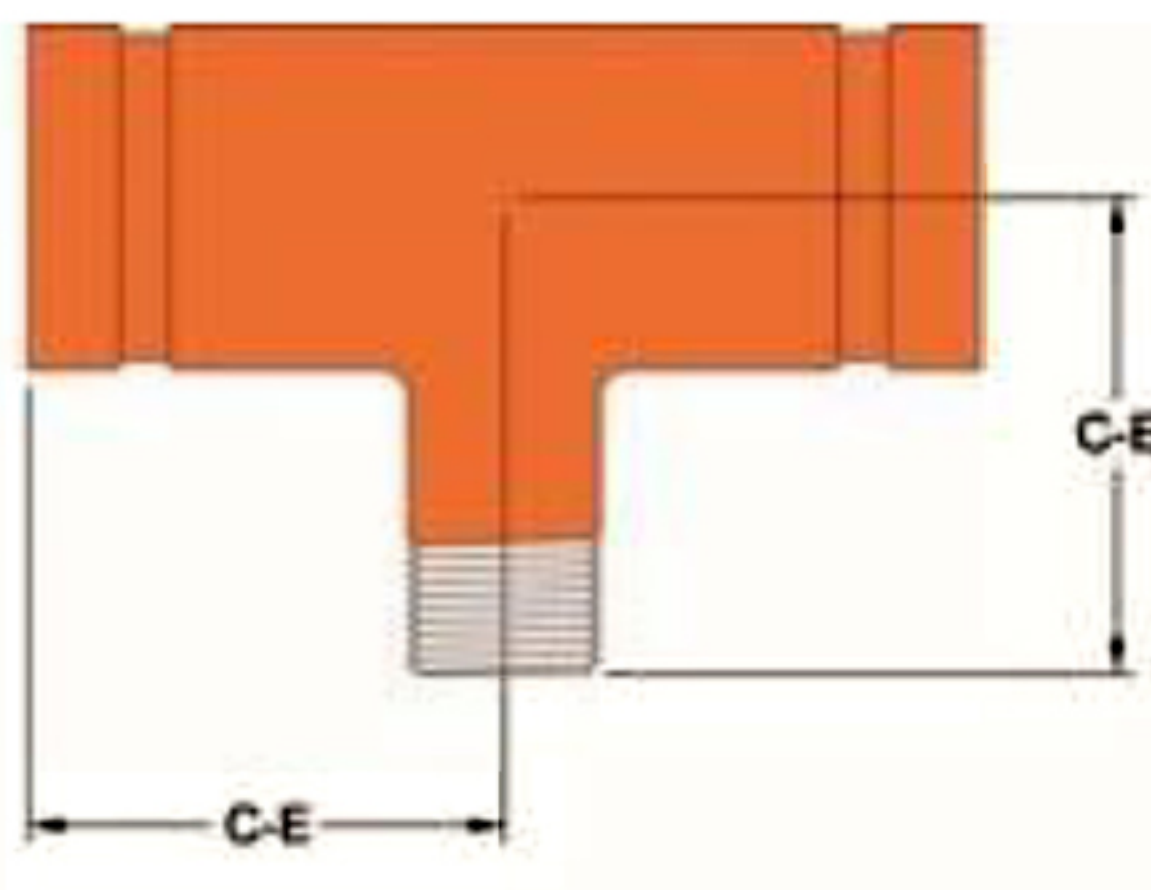
Shurjoint grooved-end reducing tees are made of ductile iron per ASTM A536 Gr. 65-45-12 and or ASTM A395 Gr. 65-45-15. C-E dimensions are manufacturer’s standard.

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 & C-B dimensions conform to ANSI B16.9.

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



7121 Reducing Tee



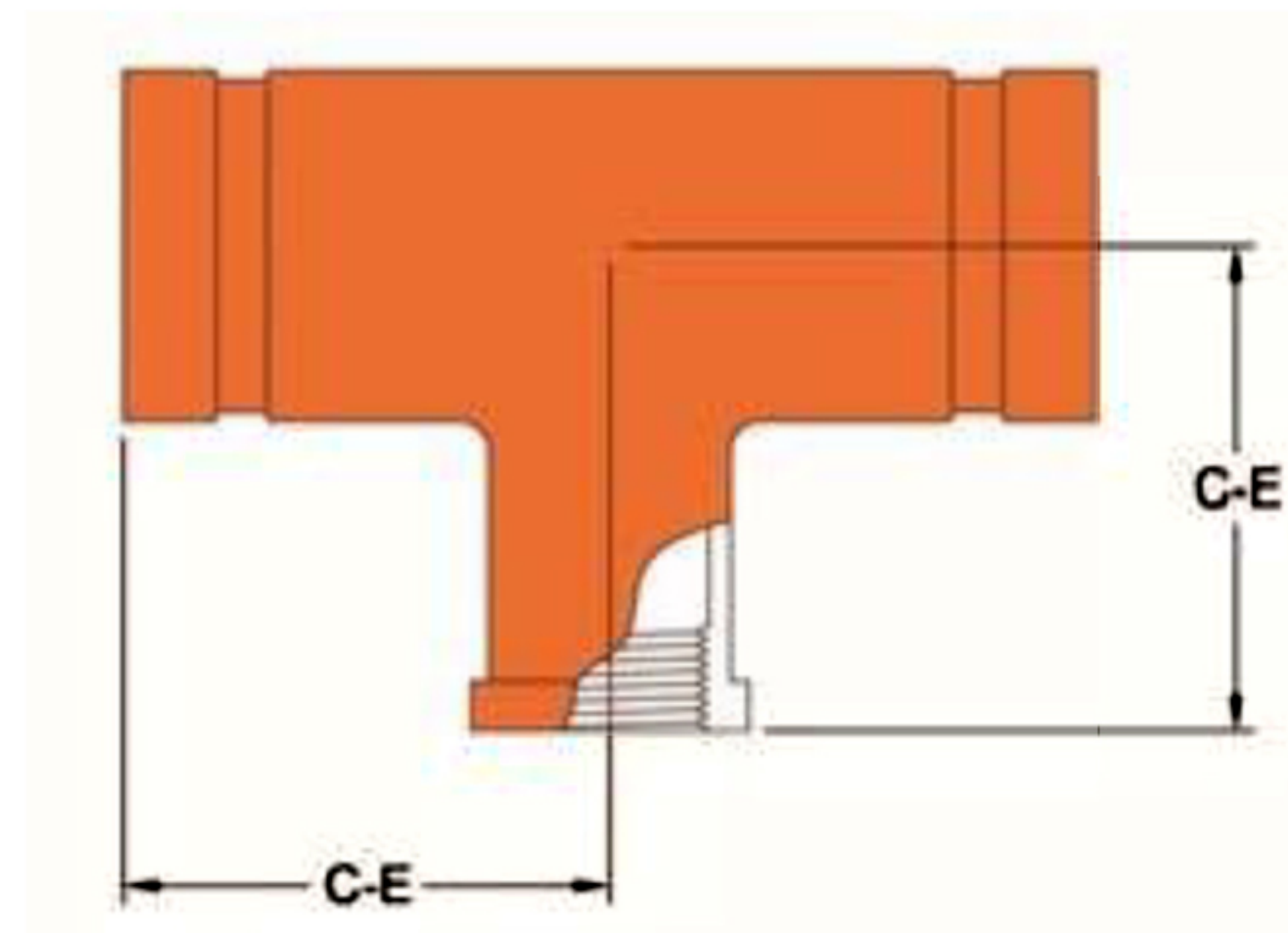
Full warranty terms can be found on www.shurjoint.com

7121 Reducing Tee (Male Threaded)

Model 7121 Reducing Tee				
Nominal Pipe Size	Pipe O.D.	Standard C-E	Male Threaded Branch C-E	Weight
in mm	in mm	in mm	in mm	Lbs Kgs
2 x 2 x 1¼ 50 x 50 x 32	2.375 x 2.375 x 1.660 60.3 x 60.3 x 42.2	3.25 83	---	2.6 1.2
2 x 2 x 1½ 50 x 50 x 40	2.375 x 2.375 x 1.900 60.3 x 60.3 x 48.3	3.25 83	3.25 83	2.6 1.2
2½ x 2½ x 1 65 x 65 x 25	2.875 x 2.875 x 1.315 73.0 x 73.0 x 33.4	3.75 95	3.75 95	3.7 1.7
2½ x 2½ x 1¼ 65 x 65 x 32	2.875 x 2.875 x 1.660 73.0 x 73.0 x 42.2	3.75 95	3.75 95	3.7 1.7
2½ x 2½ x 1½ 65 x 65 x 40	2.875 x 2.875 x 1.900 73.0 x 73.0 x 48.3	3.75 95	3.75 95	4.0 1.8
2½ x 2½ x 2 65 x 65 x 50	2.875 x 2.875 x 2.375 73.0 x 73.0 x 60.3	3.75 95	3.75 95	4.4 2.0
76.1 mm x 76.1 mm x 25	3.000 x 3.000 x 1.315 76.1 x 76.1 x 33.4	3.75 95	3.75 95	3.7 1.7
76.1 mm x 76.1 mm x 32	3.000 x 3.000 x 1.660 76.1 x 76.1 x 42.2	3.75 95	3.75 95	4.4 2.0
76.1 mm x 76.1 mm x 40	3.000 x 3.000 x 1.900 76.1 x 76.1 x 48.3	3.75 95	3.75 95	4.2 1.9
76.1 mm x 76.1 mm x 50	3.000 x 3.000 x 2.375 76.1 x 76.1 x 60.3	3.75 95	3.75 95	4.4 2.0
3 x 3 x 1 80 x 80 x 25	3.500 x 3.500 x 1.315 88.9 x 88.9 x 33.4	4.25 108	4.25 108	5.5 2.5
3 x 3 x 1¼ 80 x 80 x 32	3.500 x 3.500 x 1.660 88.9 x 88.9 x 42.2	4.25 108	4.25 108	5.2 2.4
3 x 3 x 1½ 80 x 80 x 40	3.500 x 3.500 x 1.900 88.9 x 88.9 x 48.3	4.25 108	4.25 108	5.2 2.4
3 x 3 x 2 80 x 80 x 50	3.500 x 3.500 x 2.375 88.9 x 88.9 x 60.3	4.25 108	4.25 108	6.2 2.8
3 x 3 x 2½ 80 x 80 x 65	3.500 x 3.500 x 2.875 88.9 x 88.9 x 73.0	4.25 108	4.25 108	6.2 2.8
80 x 80 x 76.1 mm	3.500 x 3.500 x 3.000 88.9 x 88.9 x 76.1	4.25 108	4.25 108	6.2 2.8
4 x 4 x 1 100 x 100 x 25	4.500 x 4.500 x 1.315 114.3 x 114.3 x 33.4	5.00 127	5.00 127	8.9 4.0

Model 7121 Reducing Tee				
Nominal Pipe Size	Pipe O.D.	Standard C-E	Male Threaded Branch C-E	Weight
in mm	in mm	in mm	in mm	Lbs Kgs
4 x 4 x 1½ 100 x 100 x 40	4.500 x 4.500 x 1.900 114.3 x 114.3 x 48.3	5.00 127	5.00 127	9.3 4.2
4 x 4 x 2 100 x 100 x 50	4.500 x 4.500 x 2.375 114.3 x 114.3 x 60.3	5.00 127	5.00 127	8.8 4.0
4 x 4 x 2½ 100 x 100 x 65	4.500 x 4.500 x 2.875 114.3 x 114.3 x 73.0	5.00 127	5.00 127	9.5 4.3
100 x 100 x 76.1 mm	4.500 x 4.500 x 3.000 114.3 x 114.3 x 76.1	5.00 127	5.00 127	9.5 4.3
4 x 4 x 3 100 x 100 x 80	4.500 x 4.500 x 3.500 114.3 x 114.3 x 88.9	5.00 127	5.00 127	9.4 4.3
139.7 mm x 139.7 mm x 50	5.500 x 5.500 x 2.375 139.7 x 139.7 x 60.3	5.50 140	5.50 140	12.4 5.6
139.7 mm x 139.7 mm x 65	5.500 x 5.500 x 2.875 139.7 x 139.7 x 73.0	5.50 140	5.50 140	12.8 5.8
5 x 5 x 2 125 x 125 x 50	5.563 x 5.563 x 2.375 141.3 x 141.3 x 60.3	5.50 140	5.50 140	12.4 5.6
5 x 5 x 2½ 125 x 125 x 65	5.563 x 5.563 x 2.875 141.3 x 141.3 x 73.0	5.50 140	5.50 140	12.8 5.8
5 x 5 x 3 125 x 125 x 80	5.563 x 5.563 x 3.500 141.3 x 141.3 x 88.9	5.50 140	5.50 140	12.6 5.7
5 x 5 x 4 125 x 125 x 100	5.563 x 5.563 x 4.500 141.3 x 141.3 x 114.3	5.50 140	5.50 140	13.6 6.2
165.1 mm x 165.1 mm x 50	6.500 x 6.500 x 2.375 165.1 x 165.1 x 60.3	6.50 165	6.50 165	17.6 8.0
165.1 mm x 165.1 mm x 76.1 mm	6.500 x 6.500 x 3.000 165.1 x 165.1 x 76.1	6.50 165	6.50 165	18.7 8.5
165.1 mm x 165.1 mm x 80	6.500 x 6.500 x 3.500 165.1 x 165.1 x 88.9	6.50 165	6.50 165	20.2 9.2
165.1 mm x 165.1 mm x 100	6.500 x 6.500 x 4.500 165.1 x 165.1 x 114.3	6.50 165	6.50 165	19.4 8.8
6 x 6 x 2 150 x 150 x 50	6.625 x 6.625 x 2.375 168.3 x 168.3 x 60.3	6.50 165	6.50 165	17.6 8.0
6 x 6 x 2½ 150 x 150 x 65	6.625 x 6.625 x 2.875 168.3 x 168.3 x 73.0	6.50 165	6.50 165	18.7 8.5
6 x 6 x 3 150 x 150 x 80	6.625 x 6.625 x 3.500 168.3 x 168.3 x 88.9	6.50 165	6.50 165	20.2 9.2
6 x 6 x 4 150 x 150 x 100	6.625 x 6.625 x 4.500 168.3 x 168.3 x 114.3	6.50 165	6.50 165	19.4 8.8
8 x 8 x 2 200 x 200 x 50	8.625 x 8.625 x 2.375 219.1 x 219.1 x 60.3	7.75 197	7.75 197	32.5 14.8
8 x 8 x 2½ 200 x 200 x 65	8.625 x 8.625 x 2.875 219.1 x 219.1 x 73.0	7.75 197	---	31.9 14.5
8 x 8 x 3 200 x 200 x 80	8.625 x 8.625 x 3.500 219.1 x 219.1 x 88.9	7.75 197	7.75 197	34.2 15.5
8 x 8 x 4 200 x 200 x 100	8.625 x 8.625 x 4.500 219.1 x 219.1 x 114.3	7.75 197	7.75 197	44.0 20.0
8 x 8 x 6 200 x 200 x 150	8.625 x 8.625 x 6.625 219.1 x 219.1 x 168.3	7.75 197	---	46.2 21.0
10 x 10 x 2½* 200 x 200 x 65	10.750 x 10.750 x 2.875 273.0 x 273.0 x 73.0	9.00 229	---	60.4 27.4
10 x 10 x 4 250 x 250 x 100	10.750 x 10.750 x 4.500 273.0 x 273.0 x 114.3	9.00 229	9.00 229	62.8 28.5
250 x 250 x 139.7 mm*	10.750 x 10.750 x 5.500 273.0 x 273.0 x 139.7	9.00 229	---	64.4 29.3
10 x 10 x 6 250 x 250 x 150	10.750 x 10.750 x 6.625 273.0 x 273.0 x 168.3	9.00 229	---	66.0 30.0
10 x 10 x 8 250 x 250 x 200	10.750 x 10.750 x 8.625 273.0 x 273.0 x 219.1	9.00 229	---	69.3 31.5
12 x 12 x 2½ 300 x 300 x 65	12.750 x 12.750 x 2.875 323.9 x 323.9 x 73.0	10.00 254	---	80.1 36.4
12 x 12 x 3 300 x 300 x 80	12.750 x 12.750 x 3.500 323.9 x 323.9 x 88.9	10.00 254	10.00 254	88.1 40.0
12 x 12 x 4 300 x 300 x 100	12.750 x 12.750 x 4.500 323.9 x 323.9 x 114.3	10.00 254	10.00 254	90.4 41.0
12 x 12 x 6 300 x 300 x 150	12.750 x 12.750 x 6.625 323.9 x 323.9 x 168.3	10.00 254	---	83.6 38.0
12 x 12 x 8 300 x 300 x 200	12.750 x 12.750 x 8.625 323.9 x 323.9 x 219.1	10.00 254	---	83.6 38.0
12 x 12 x 10 300 x 300 x 250	12.750 x 12.750 x 10.750 323.9 x 323.9 x 273.0	10.00 254	---	88.0 40.0

*Fabricated.



7121 Reducing Tee (Female Threaded)

Model 7121 Reducing Tee							
Nominal Pipe Size	Pipe OD	Female Threaded Branch		Nominal Pipe Size	Pipe OD	Female Threaded Branch	
in	in	C-E	Weight	in	in	C-E	Weight
mm	mm	in / mm	Lbs / Kgs	mm	mm	in / mm	Lbs / Kgs
2 x 2 x 1¼	2.375 x 2.375 x 1.660	3.25	2.9	3 x 3 x 1¼	3.500 x 3.500 x 1.660	4.25	5.1
50 x 50 x 32	60.3 x 60.3 x 42.2	83	1.3	80 x 80 x 32	88.9 x 88.9 x 42.2	108	2.3
2 x 2 x 1½	2.375 x 2.375 x 1.900	3.25	4.0	3 x 3 x 1½	3.500 x 3.500 x 1.900	4.25	6.0
50 x 50 x 40	60.3 x 60.3 x 48.3	83	1.8	80 x 80 x 40	88.9 x 88.9 x 48.3	108	2.7
2½ x 2½ x 1	2.875 x 2.875 x 1.315	3.75	4.0	3 x 3 x 2	3.500 x 3.500 x 2.375	4.25	6.2
65 x 65 x 25	73.0 x 73.0 x 33.4	95	1.8	80 x 80 x 50	88.9 x 88.9 x 60.3	108	2.8
2½ x 2½ x 1¼	2.875 x 2.875 x 1.660	3.75	3.7	3 x 3 x 2½	3.500 x 3.500 x 2.875	4.25	7.3
65 x 65 x 32	73.0 x 73.0 x 42.2	95	1.7	80 x 80 x 65	88.9 x 88.9 x 73.0	108	3.3
2½ x 2½ x 1½	2.875 x 2.875 x 1.900	3.75	4.4	4 x 4 x 1½	4.500 x 4.500 x 1.900	5.00	9.3
65 x 65 x 40	73.0 x 73.0 x 48.3	95	2.0	100 x 100 x 40	114.3 x 114.3 x 48.3	127	4.2
2½ x 2½ x 2	2.875 x 2.875 x 2.375	3.75	4.6	4 x 4 x 2	4.500 x 4.500 x 2.375	5.00	9.3
65 x 65 x 50	73.0 x 73.0 x 60.3	95	2.1	100 x 100 x 50	114.3 x 114.3 x 60.3	127	4.2
76.1mm x 76.1mm x 25	3.000 x 3.000 x 1.315	3.75	4.4	4 x 4 x 2½	4.500 x 4.500 x 2.875	5.00	10.8
	76.1 x 76.1 x 33.4	95	2.0	100 x 100 x 65	114.3 x 114.3 x 73.0	127	4.9
76.1mm x 76.1mm x 32	3.000 x 3.000 x 1.660	3.75	4.4	100 x 100 x 76.1 mm	4.500 x 4.500 x 3.000	5.00	9.9
	76.1 x 76.1 x 42.2	95	2.0		114.3 x 114.3 x 76.1	127	4.5
76.1mm x 76.1mm x 40	3.000 x 3.000 x 1.900	3.75	4.0	139.7 mm x 139.7 mm x 50	5.500 x 5.500 x 2.375	5.50	11.9
	76.1 x 76.1 x 48.3	95	1.8		139.7 x 139.7 x 60.3	140	5.4
76.1mm x 76.1mm x 50	3.000 x 3.000 x 2.375	3.75	4.9	5 x 5 x 2	5.563 x 5.563 x 2.375	5.50	12.3
	76.1 x 76.1 x 60.3	95	2.2	125 x 125 x 50	141.3 x 141.3 x 60.3	140	5.6
3 x 3 x ½	3.500 x 3.500 x 0.840	4.25	5.1	165.1 mm x 165.1 mm x 50	6.500 x 6.500 x 2.375	6.50	17.6
80 x 80 x 15	88.9 x 88.9 x 21.3	108	2.3		165.1 x 165.1 x 60.3	165	8.0
3 x 3 x ¾	3.500 x 3.500 x 1.050	4.25	5.1	6 x 6 x 2	6.625 x 6.625 x 2.375	6.50	20.5
80 x 80 x 20	88.9 x 88.9 x 26.7	108	2.3	150 x 150 x 50	168.3 x 168.3 x 60.3	165	9.3
3 x 3 x 1	3.500 x 3.500 x 1.315	4.25	5.1	6 x 6 x 2½	6.625 x 6.625 x 2.875	6.50	15.7
80 x 80 x 25	88.9 x 88.9 x 33.4	108	2.3	150 x 150 x 65	168.3 x 168.3 x 73.0	165	7.1

MATERIAL SPECIFICATIONS

• Fitting body:

Ductile Iron castings to ASTM A536, Gr. 65-45-12 and/or 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.

Segment-Welded Fittings are fabricated with carbon steel, ASTM A53 Grade B – standard wall pipe (0.375" wall) or equivalent materials.

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.

• Surface Finish:

Orange color painted or red RAL3000 color painted.

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