

7121 / 7212F / 7121M REDUCING TEE



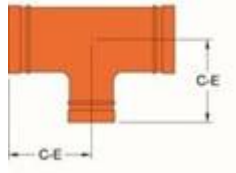
For pressure rating and approval information refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

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

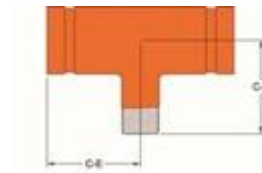
Shurjoint standard fitting pressure ratings conform to the ratings of Model 7707 couplings.

material specification

- **Fitting Body:**
Ductile Iron castings to ASTM A536, Gr. 65-45-12, min. tensile strength 65,000 psi (448 MPa).
- **Surface Finish:**
Orange color painted or red RAL3000 color painted.
 - Hot dip galvanized (optional).
 - Epoxy coated in red RAL3000 or other colors (optional).



7121 Reducing Tee



7121 Reducing Tee (Male Threaded)

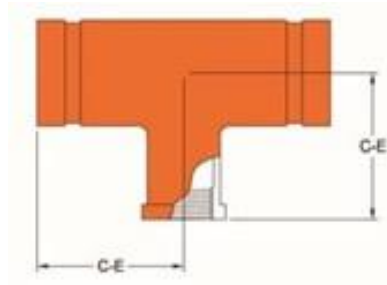
Model 7121 Reducing Tee					
Nominal Pipe Size	Pipe O.D.	Standard C-E	Male Threaded Branch C-E	Weight	
in	in	in	in	lbs	
mm	mm	mm	mm	kg	
2 x 2 x 1¼	2.375 x 2.375 x 1.660	3.25	---	2.6	
50 x 50 x 32	60.3 x 60.3 x 42.2	83	---	1.2	
2 x 2 x 1½	2.375 x 2.375 x 1.900	3.25	3.25	2.6	
50 x 50 x 40	60.3 x 60.3 x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

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Rev.20220615

Model 7121 Reducing Tee					
Nominal Pipe Size	Pipe O.D.	Standard C-E	Male Threaded Branch C-E	Weight	
in	in	in	in	lbs	
mm	mm	mm	mm	kg	
80 x 80 x 76.1	3.500 x 3.500 x 3.000	4.25	4.25	6.2	
	88.9 x 88.9 x 76.1	108	108	2.8	
4 x 4 x 1	4.500 x 4.500 x 1.315	5.00	5.00	8.9	
100 x 100 x 25	114.3 x 114.3 x 33.4	127	127	4.0	
4 x 4 x 1½	4.500 x 4.500 x 1.900	5.00	5.00	9.3	
100 x 100 x 40	114.3 x 114.3 x 48.3	127	127	4.2	
4 x 4 x 2	4.500 x 4.500 x 2.375	5.00	5.00	8.8	
100 x 100 x 50	114.3 x 114.3 x 60.3	127	127	4.0	
4 x 4 x 2½	4.500 x 4.500 x 2.875	5.00	5.00	9.5	
100 x 100 x 65	114.3 x 114.3 x 73.0	127	127	4.3	
100 x 100 x 76.1	4.500 x 4.500 x 3.000	5.00	5.00	9.5	
	114.3 x 114.3 x 76.1	127	127	4.3	
4 x 4 x 3	4.500 x 4.500 x 3.500	5.00	5.00	9.4	
100 x 100 x 80	114.3 x 114.3 x 88.9	127	127	4.3	
139.7 x 139.7 x 50	5.500 x 5.500 x 2.375	5.50	5.50	12.4	
	139.7 x 139.7 x 60.3	140	140	5.6	
139.7 x 139.7 x 65	5.500 x 5.500 x 2.875	5.50	5.50	12.8	
	139.7 x 139.7 x 73.0	140	140	5.8	
5 x 5 x 2	5.563 x 5.563 x 2.375	5.50	5.50	12.4	
125 x 125 x 50	141.3 x 141.3 x 60.3	140	140	5.6	
5 x 5 x 2½	5.563 x 5.563 x 2.875	5.50	5.50	12.8	
125 x 125 x 65	141.3 x 141.3 x 73.0	140	140	5.8	
5 x 5 x 3	5.563 x 5.563 x 3.500	5.50	5.50	12.6	
125 x 125 x 80	141.3 x 141.3 x 88.9	140	140	5.7	
5 x 5 x 4	5.563 x 5.563 x 4.500	5.50	5.50	13.6	
125 x 125 x 100	141.3 x 141.3 x 114.3	140	140	6.2	
165.1 x 165.1 x 50	6.500 x 6.500 x 2.375	6.50	6.50	17.6	
	165.1 x 165.1 x 60.3	165	165	8.0	
165.1 x 165.1 x 76.1	6.500 x 6.500 x 3.000	6.50	6.50	18.7	
	165.1 x 165.1 x 76.1	165	165	8.5	
165.1 x 165.1 x 80	6.500 x 6.500 x 3.500	6.50	6.50	20.2	
	165.1 x 165.1 x 88.9	165	165	9.2	
165.1 x 165.1 x 100	6.500 x 6.500 x 4.500	6.50	6.50	19.4	
	165.1 x 165.1 x 114.3	165	165	8.8	
6 x 6 x 2	6.625 x 6.625 x 2.375	6.50	6.50	17.6	
150 x 150 x 50	168.3 x 168.3 x 60.3	165	165	8.0	
6 x 6 x 2½	6.625 x 6.625 x 2.875	6.50	6.50	18.7	
150 x 150 x 65	168.3 x 168.3 x 73.0	165	165	8.5	
6 x 6 x 3	6.625 x 6.625 x 3.500	6.50	6.50	20.2	
150 x 150 x 80	168.3 x 168.3 x 88.9	165	165	9.2	

Model 7121 Reducing Tee				
Nominal Pipe Size	Pipe O.D.	Standard C-E	Male Threaded Branch C-E	Weight
in	in	in	in	lbs
mm	mm	mm	mm	kg
6 x 6 x 4	6.625 x 6.625 x 4.500	6.50	6.50	19.4
150 x 150 x 100	168.3 x 168.3 x 114.3	165	165	8.8
8 x 8 x 2	8.625 x 8.625 x 2.375	7.75	7.75	32.5
200 x 200 x 50	219.1 x 219.1 x 60.3	197	197	14.8
8 x 8 x 2½	8.625 x 8.625 x 2.875	7.75	---	31.9
200 x 200 x 65	219.1 x 219.1 x 73.0	197	---	14.5
8 x 8 x 3	8.625 x 8.625 x 3.500	7.75	7.75	34.2
200 x 200 x 80	219.1 x 219.1 x 88.9	197	197	15.5
8 x 8 x 4	8.625 x 8.625 x 4.500	7.75	7.75	44.0
200 x 200 x 100	219.1 x 219.1 x 114.3	197	197	20.0
8 x 8 x 6	8.625 x 8.625 x 6.625	7.75	---	46.2
200 x 200 x 150	219.1 x 219.1 x 168.3	197	---	21.0
10 x 10 x 4	10.750 x 10.750 x 4.500	9.00	9.00	62.8
250 x 250 x 100	273.0 x 273.0 x 114.3	229	229	28.5
250 x 250 x 139.7*	10.750 x 10.750 x 5.500	9.00	---	64.4
	273.0 x 273.0 x 139.7	229	---	29.3
10 x 10 x 6	10.750 x 10.750 x 6.625	9.00	---	66.0
250 x 250 x 150	273.0 x 273.0 x 168.3	229	---	30.0
10 x 10 x 8	10.750 x 10.750 x 8.625	9.00	---	69.3
250 x 250 x 200	273.0 x 273.0 x 219.1	229	---	31.5
12 x 12 x 3	12.750 x 12.750 x 3.500	10.00	10.00	88.1
300 x 300 x 80	323.9 x 323.9 x 88.9	254	254	40.0
12 x 12 x 4	12.750 x 12.750 x 4.500	10.00	10.00	90.4
300 x 300 x 100	323.9 x 323.9 x 114.3	254	254	41.0
12 x 12 x 6	12.750 x 12.750 x 6.625	10.00	---	83.6
300 x 300 x 150	323.9 x 323.9 x 168.3	254	---	38.0
12 x 12 x 8	12.750 x 12.750 x 8.625	10.00	---	83.6
300 x 300 x 200	323.9 x 323.9 x 219.1	254	---	38.0

*Fabricated.



7121 Reducing Tee (Female Threaded)

Model 7121 Reducing Tee

Nominal Pipe Size	Pipe O.D.	Female Threaded Branch		Nominal Pipe Size	Pipe OD	Female Threaded Branch	
		C-E	Weight			C-E	Weight
in	in	in	lbs	in	in	in	lbs
mm	mm	mm	kg	mm	mm	mm	Kg
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
76.1 x 76.1 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
76.1 x 76.1 x 32	3.000 x 3.000 x 1.660	3.75	4.4	100 x 100 x 76.1	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
76.1 x 76.1 x 40	3.000 x 3.000 x 1.900	3.75	4.0	139.7 x 139.7 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
76.1 x 76.1 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
3 x 3 x ½	3.500 x 3.500 x 0.840	4.25	5.1	165.1 x 165.1 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

General note

- *Pressure Ratings* for fittings conform to the working pressure of the coupling used to join the system.
- 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.

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