

## RING JOINT FITTINGS



RJ-10



RJ-60

For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website [www.shurjoint.com](http://www.shurjoint.com) for details or contact your SHURJOINT representatives.

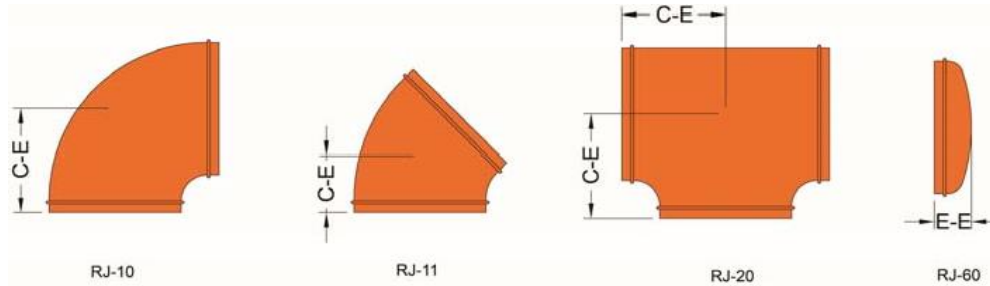
Shurjoint offers a full range of ring joint fittings for use with Model R-88 ring joint couplings.

- RJ series fittings are made of carbon steel standard weight pipe, ASTM A53 Gr. B or equivalent, or fabricated from wrought carbon steel of the equivalent properties.
- Other configurations are also available upon request. Contact Shurjoint for details.

### material specification

- **Fitting body:**  
Carbon steel Sch. 40 pipe to ASTM A53 or 0.375" (9.5 mm) wall pipe of ASTM A234 Gr. WPB
- **Surface Finish:**  
Standard painted finishes in orange or RAL3000 red.
  - Hot dip zinc galvanized (optional).
  - Epoxy Coatings in RAL3000 red or other colors (optional).
- **Rings:**  
Carbon Steel.
  - Stainless steel: 304, 316, 316L.

**MODEL RJ-10 RING JOINT 90° ELBOW**  
**RJ-11 RING JOINT 45° ELBOW**  
**RJ-20 RING JOINT TEE**  
**RJ-60 RING JOINT CAP**



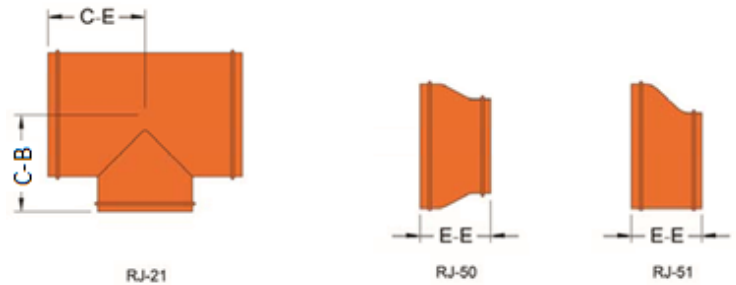
Models RJ-10, RJ-11, RJ-20, RJ-60 Ring Joint Fittings

Nominal Size	Pipe O.D.	RJ-10 90° Elbow		RJ-11 45° Elbow		RJ-20 Tee		RJ-60 Cap	
		C-E	Weight	C-E	Weight	C-E	Weight	E-E	Weight
in	in	in	lbs	in	lbs	in	lbs	in	lbs
mm	mm	mm	kg	mm	kg	mm	kg	mm	kg
8	8.625	12.00	28.6	5.00	20.9	7.00	46.2	3.00	12.1
200	219.1	305	13.0	127	9.5	178	21.0	76	5.5
10	10.750	15.00	55.0	6.25	39.6	9.00	72.6	3.00	13.2
250	273.0	381	25.0	159	18.0	229	33.0	76	6.0
12	12.750	18.00	77.0	7.50	50.6	10.00	103.4	3.00	17.6
300	323.9	457	35.0	190	23.0	254	47.0	76	8.0
200 JIS	8.516	12.00	28.6	5.00	20.9	7.00	46.2	3.00	12.1
	216.3	305	13.0	127	9.5	178	21.0	76	5.5
250 JIS	10.528	15.00	55.0	6.25	39.6	9.00	72.6	3.00	13.2
	267.4	381	25.0	159	18.0	229	33.0	76	6.0
300 JIS	12.539	18.00	77.0	7.50	50.6	10.00	103.4	3.00	17.6
	318.5	457	35.0	190	23.0	254	47.0	76	8.0
14	14.000	21.00	81.4	6.00	52.8	11.00	118.8	4.00	26.4
350	355.6	533	37.0	152	24.0	280	54.0	102	12.0
16	16.000	24.00	99.0	7.25	101.2	12.00	154.0	4.00	33.0
400	406.4	610	45.0	184	46.0	305	70.0	102	15.0
18	18.000	27.00	209.0	11.25	105.6	13.50	268.0	5.00	46.2
450	457.2	686	95.0	286	48.0	343	122.0	127	21.0
20	20.000	30.00	203.6	12.50	110.0	17.25	337.0	6.00	57.2
500	508.0	762	138.0	318	50.0	438	153.0	152	26.0
24	24.000	36.00	485.0	15.00	176.0	17.00	466.0	6.00	77.0
600	609.6	914	220.0	381	80.0	432	212.0	152	35.0
26	26.000	39.00	521.0	16.00	262.0	22.50	766.0	10.50	110.0
650	660.4	991	237.0	406	119.0	572	348.0	267	50.0

Models RJ-10, RJ-11, RJ-20, RJ-60 Ring Joint Fittings

Nominal Size	Pipe O.D.	RJ-10 90° Elbow		RJ-11 45° Elbow		RJ-20 Tee		RJ-60 Cap	
		C-E	Weight	C-E	Weight	C-E	Weight	E-E	Weight
in	in	in	lbs	in	lbs	in	lbs	in	lbs
mm	mm	mm	kg	mm	kg	mm	kg	mm	kg
28	28.000	42.00	605.0	17.25	304.0	23.50	862.0	10.50	123.0
700	711.2	1067	275.0	438	138.0	597	392.0	267	56.0
30	30.000	45.00	695.0	18.50	348.0	25.00	992.0	10.50	136.0
750	762.0	1143	316.0	480	158.0	635	451.0	267	62.0
32	32.000	48.00	792.0	19.75	396.0	26.50	1135.0	10.50	248.6
800	812.8	1219	360.0	502	180.0	673	516.0	267	113.0
34	34.000	51.00	895.0	21.00	449.0	28.00	1285.0	10.50	165.0
850	863.4	1295	407.0	533	204.0	711	584.0	267	75.0
36	36.000	54.00	1005.0	22.25	504.0	30.00	1445.0	10.50	334.4
900	914.4	1372	457.0	565	229.0	762	657.0	267	152.0
40	40.000	60.00	1241.0	24.88	620.0	33.00	1790.0	12.00	224.0
1000	1016.0	1524	564.0	632	282.0	838	814.0	305	102.0
42	42.000	63.00	1368.0	26.00	684.0	35.00	1841.0	12.00	242.0
1050	1066.8	1600	622.0	660	311.0	889	837.0	305	110.0
44	44.000	66.00	1503.0	27.39	752.0	36.00	2075.0	13.50	277.0
1100	1117.6	1676	683.0	696	342.0	914	943.0	343	126.0
48	48.000	72.00	1790.0	29.88	895.0	40.00	2488.0	13.50	315.0
1200	1219.2	1829	814.0	759	407.0	1016	1131.0	343	143.0

**MODEL RJ-21 RING JOINT REDUCING TEE**  
**RJ-50 RING JOINT CONCENTRIC REDUCER**  
**RJ-51 RING JOINT ECCENTRIC REDUCER**

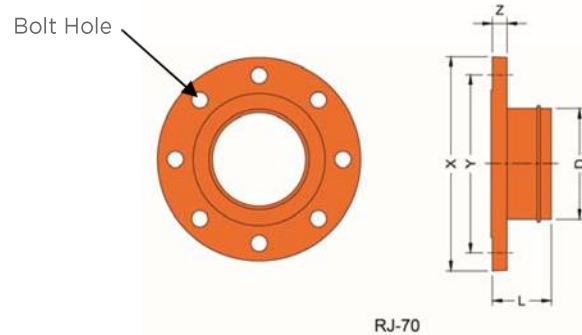


**Models RJ-21, RJ-50, RJ-51 Ring Joint Fittings**

Nominal Pipe Size	Pipe O.D.	RJ-21 Reducing Tee			RJ-50 Conc. Reducer		RJ-51 Ecc. Reducer	
		C - E	C - B	Weight	E - E	Weight	E - E	Weight
		in	in	lbs	in	lbs	in	lbs
mm	mm	mm	mm	mm	kgs	mm	kgs	
14 x 12	14.000 x 12.750	11.00	10.62	145.0	8.00	51.0	13.00	51.0
350 x 300	355.6 x 323.9	279	270	66.0	203*	23.0	330	23.0
16 x12	16.000 x 12.750	12.00	11.62	172.0	9.00*	64.0	9.00*	64.0
400 x 300	406.4 x 323.9	305	295	78.0	229	29.0	229	29.0
16 x 14	16.000 x 14.000	12.00	12.00	176.0	9.00*	64.0	9.00*	64.0
400 x 350	406.4 x 355.6	305	305	80.0	229	29.0	229	29.0
18 x 12	18.000 x 12.750	13.50	12.62	246.0	9.50*	72.6	15.00	78.0
450 x 300	457.2 x 323.9	343	321	112.0	241	33.0	381	35.0
18 x 14	18.000 x 14.000	13.50	13.00	253.0	15.00	79.0	15.00	79.0
450 x 350	457.2 x 355.6	343	330	115.0	381	36.0	381	36.0
18 x 16	18.000 x 16.000	13.50	13.00	264.0	15.00	79.0	15.00	79.0
450 x 400	457.2 x 406.4	343	330	120.0	381	36.0	381	36.0
20 x 12	20.000 x 12.750	15.00	13.62	297.0	10.00*	95.0	20.00	95.0
500 x 300	508.0 x 323.9	381	346	135.0	254	43.0	508	43.0
20 x 14	20.000 x 14.000	15.00	14.00	304.0	20.00	99.0	20.00	99.0
500 x 350	508.0 x 355.6	381	356	138.0	508	45.0	508	45.0
20 x 16	20.000 x 16.000	15.00	14.00	317.0	20.00	101.0	20.00	101.0
500 x 400	508.0 x 406.4	381	356	144.0	508	46.0	508	46.0
20 x 18	20.000 x 18.000	15.00	14.50	328.0	20.00	128.0	20.00	128.0
500 x 450	508.0 x 457.2	381	368	149.0	508	58.0	508	58.0
24 x 12	24.000 x 12.750	17.00	15.62	396.0	12.00*	154.0	20.00	154.0
600 x 300	609.6 x 323.9	432	397	180.0	305	70.0	508	70.0
24 x 14	24.000 x 14.000	17.00	16.00	407.0	20.00	154.0	20.00	154.0
600 x 350	609.6 x 355.6	432	406	185.0	508	70.0	508	70.0
24 x 16	24.000 x 16.000	17.00	16.00	418.0	12.00*	154.0	20.00	154.0
600 x 400	609.6 x 406.4	432	406	190.0	305	70.0	508	70.0
24 x 18	24.000 x 18.000	17.00	16.50	433.0	20.00	154.0	20.00	154.0
600 x 450	609.6 x 457.2	432	419	197.0	508	70.0	508	70.0
24 x 20	24.000 x 20.000	17.00	17.00	444.0	20.00*	156.0	20.00	156.0
600 x 500	609.6 x 508.0	432	432	202.0	508	71.0	508	71.0

C-E: Mfr's standard. E-E marked (\*): Mfr's standard. All other E-E: ANSI B16.9.

**MODEL RJ-70 RING JOINT FLANGE ADAPTER - ANSI CLASS 125 / 150**



Model RJ-70 Ring Joint Flange Adapter

Nominal Size	Pipe O.D. D	X	Y	Z	Bolt Size	Bolt Hole		L	Weight
						Dia.	No.		
in	in	in	in	in	in	in		in	lbs
mm	mm	mm	mm	mm	in	in		mm	kg
8	8.625	13.500	11.750	1.125	3/4	7/8	8	6	44.9
200	219.1	343.0	298.0	29.0	3/4	7/8	8	152	20.4
10	10.750	16.000	14.250	1.180	7/8	1	12	8	67.1
250	273.0	406.4	362.0	30.0	7/8	1	12	203	30.5
12	12.750	19.000	17.000	1.250	7/8	1	12	8	98.1
300	323.9	483.0	432.0	32.0	7/8	1	12	203	44.6
14	14.000	21.000	18.750	1.377	1	1 1/8	12	8	118.8
350	355.6	533.0	476.25	35.0	1	1 1/8	12	203	54.0
16	16.000	23.500	21.250	1.456	1	1 1/8	16	8	147.0
400	406.4	597.0	539.75	37.0	1	1 1/8	16	203	66.8
18	18.000	25.000	22.751	1.059	1 1/8	1 1/4	16	8	143.0
450	457.2	635.0	577.9	26.9	1 1/8	1 1/4	16	203	65.0
20	20.000	27.519	25.000	1.692	1 1/8	1 1/4	20	8	169.4
500	508.0	699.0	635.0	43.0	1 1/8	1 1/4	20	203	77.0
24	24.000	32.031	29.500	1.889	1 1/4	1 3/8	20	8	286.9
600	609.6	813.6	749.3	48.0	1 1/4	1 3/8	20	203	130.4

L: Mfr's standard

**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 1 1/2 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.