

RING JOINT FITTINGS

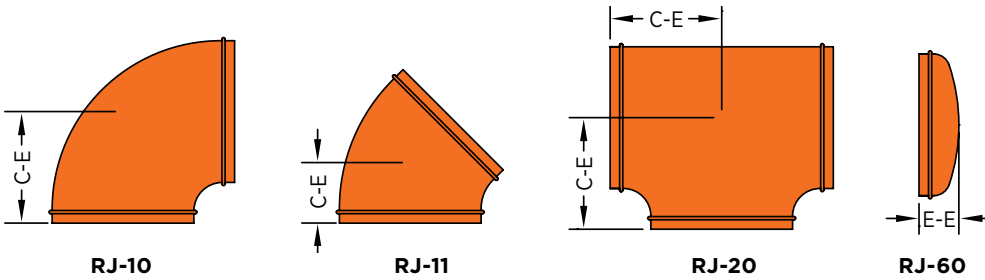
RJ-10	Ring Joint 90° Elbow	RJ-50	Concentric Reducer
RJ-11	Ring Joint 45° Elbow	RJ-51	Eccentric Reducer
RJ-20	Ring Joint Tee	RJ-60	Ring Joint Cap
RJ-21	Reducing Tee	RJ-70	Flange Adapter

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



- 8" - 16" (200 mm - 400 mm) Models RJ-10, RJ-11 & RJ-60 and RJ-20 are available in cast ductile iron to ASTM A536 Gr. 65-45-12.
- Larger sizes 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.

Job Name:	
Job Location:	
Engineer:	
Contractor:	
Tag:	
PO#:	
Rep:	
Wholesale Dist.:	

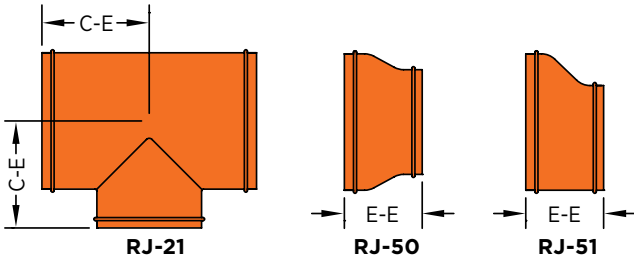


NOMINAL SIZE	PIPE O.D.	RJ-10 90° ELBOW		RJ-11 45° ELBOW		RJ-20 TEE		RJ-60 CAP	
		C-E	WEIGHT	C-E	WEIGHT	C-E	WEIGHT	E-E	WEIGHT
in	in	in	lb	in	lb	in	lb	in	lb
mm	mm	mm	kg	mm	kg	mm	kg	mm	kg
8	8.625	7.75	28.6	4.25	20.9	7.75	46.2	3	12.1
200	219.1	197	13	108	9.5	197	21	76	5.5
10	10.75	9	55	4.75	39.6	9	72.6	3	13.2
250	273	229	25	121	18	229	33	76	6
12	12.75	10	77	5.25	50.6	10	103.4	3	17.6
300	323.9	254	35	133	23	254	47	76	8
200 JIS	8.516	7.75	28.6	4.25	20.9	7.75	46.2	3	12.1
	216.3	197	13	108	9.5	197	21	76	5.5
250 JIS	10.528	9	55	4.75	39.6	9	72.6	3	13.2
	267.4	229	25	121	18	229	33	76	6
300 JIS	12.539	10	77	5.25	50.6	10	103.4	3	17.6
	318.5	254	35	133	23	254	47	76	8
14	14	11	81.4	6	52.8	11	118.8	4	26.4
350	355.6	280	37	152	24	280	54	102	12
16	16	12	99	7.25	101.2	12	154	4	33
400	406.4	305	45	184	46	305	70	102	15
18	18	27	209	11.25	105.6	15.5	268	5	46.2
450	457.2	686	95	286	48	394	122	127	21
20	20	30	203.6	12.5	110	17.25	337	6	57.2
500	508	762	138	318	50	438	153	152	26
24	24	36	485	15	176	20	466	6	77
600	609.6	914	220	381	80	508	212	152	35
26	26	39	521	16	262	22.5	766	10.5	110
650	660.4	991	237	406	119	572	348	267	50
28	28	42	605	17.25	304	23.5	862	10.5	123
700	711.2	1067	275	438	138	597	392	267	56
30	30	45	695	18.5	348	25	992	10.5	136
750	76.2	1143	316	480	158	635	451	267	62
32	32	48	792	19.75	396	26.5	1135	10.5	248.6
800	812.8	1219	360	502	180	673	516	267	113
34	34	51	895	21	449	28	1285	10.5	165
850	863.4	1295	407	533	204	711	584	267	75
36	36	54	1005	22.25	504	30	1445	10.5	334.4
900	914.4	1372	457	565	229	762	657	267	152
40	40	60	1241	24.88	620	33	1790	12	224
1000	1016	1524	564	632	282	838	814	305	102
42	42	63	1368	26	684	35	1841	12	242
1050	1066.8	1600	622	660	311	889	837	305	110
44	44	66	1503	27.39	752	36	2075	13.5	277
1100	1117.6	1676	683	696	342	914	943	343	126
48	48	72	1790	29.88	895	40	2488	13.5	315
1200	1219.2	1829	814	759	407	1016	1131	343	143

*C-E of RJ-10 and RJ-11 18" and larger sizes and E-E of RJ-60 26" and larger sizes conform to ANSI B16.9. All other sizes are to manufacturer's standard.

RING JOINT FITTINGS

- RJ-10 Ring Joint 90° Elbow
- RJ-11 Ring Joint 45° Elbow
- RJ-20 Ring Joint Tee
- RJ-21 Reducing Tee
- RJ-50 Concentric Reducer
- RJ-51 Eccentric Reducer
- RJ-60 Ring Joint Cap
- RJ-70 Flange Adapter

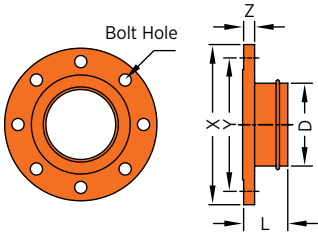


NOMINAL SIZE	PIPE O.D.	RJ-21 REDUCING TEE			RJ-50 CONCENTRIC REDUCER		RJ-51 ECCENTRIC REDUCER	
		C - E	C - B	WEIGHT	E - E	WEIGHT	E - E	WEIGHT
in	in	in	in	lb	in	lb	in	lb
mm	mm	mm	mm	kg	mm	kg	mm	kg
14 x 12	14.000 x 12.750	11	10.62	145	8	51	13	51
350 x 300	355.6 x 323.9	279	270	66	203*	23	330	23
16 x 12	16.000 x 12.750	12	11.62	172	9.00*	64	9.00*	64
400 x 300	406.4 x 323.9	305	295	78	229	29	229	29
16 x 14	16.000 x 14.000	12	12	176	9.00*	64	9.00*	64
400 x 350	406.4 x 355.6	305	305	80	229	29	229	29
18 x 12	18.000 x 12.750	13.5	12.62	246	9.50*	72.6	15	78
450 x 300	457.2 x 323.9	343	321	112	241	33	381	35
18 x 14	18.000 x 14.000	13.5	13	253	15	79	15	79
450 x 350	457.2 x 355.6	343	330	115	381	36	381	36
18 x 16	18.000 x 16.000	13.5	13	264	15	79	15	79
450 x 400	457.2 x 406.4	343	330	120	381	36	381	36
20 x 12	20.000 x 12.750	15	13.62	297	10.00*	95	20	95
500 x 300	508.0 x 323.9	381	346	135	254	43	508	43
20 x 14	20.000 x 14.000	15	14	304	20	99	20	99
500 x 350	508.0 x 355.6	381	356	138	508	45	508	45
20 x 16	20.000 x 16.000	15	14	317	20	101	20	101
500 x 400	508.0 x 406.4	381	356	144	508	46	508	46
20 x 18	20.000 x 18.000	15	14.5	328	20	128	20	128
500 x 450	508.0 x 457.2	381	368	149	508	58	508	58
24 x 12	24.000 x 12.750	17	15.62	396	12.00*	154	20	154
600 x 300	609.6 x 323.9	432	397	180	305	70	508	70
24 x 14	24.000 x 14.000	17	16	407	20	154	20	154
600 x 350	609.6 x 355.6	432	406	185	508	70	508	70
24 x 16	24.000 x 16.000	17	16	418	12.00*	154	20	154
600 x 400	609.6 x 406.4	432	406	190	305	70	508	70
24 x 18	24.000 x 18.000	17	16.5	433	20	154	20	154
600 x 450	609.6 x 457.2	432	419	197	508	70	508	70
24 x 20	24.000 x 20.000	17	17	444	12.00*	156	20	156
600 x 500	609.6 x 508.0	432	432	202	305	71	508	71

C-E: Mfr's standard, E-E marked (*): Mfr's standard (made of ductile iron). All other E-E: ANSI B16.9.

RING JOINT FITTINGS

RJ-10	Ring Joint 90° Elbow	RJ-50	Concentric Reducer
RJ-11	Ring Joint 45° Elbow	RJ-51	Eccentric Reducer
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RJ-70

Material: Fabricated with ASTM A234 Gr. WPB, standard weight (0.375" or 9.5 mm), or segmentally welded carbon steel of the same or equivalent grade.

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

DIMENSIONS

NOMINAL SIZE	PIPE O.D. D	RJ-70 FLANGE ADAPTER							
		X	Y	Z	BOLT SIZE	BOLT HOLE		L	WEIGHT
						DIA.	NO.		
in	in	in	in	in	in	in		in	lb
mm	mm	mm	mm	mm	mm	mm		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				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				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				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				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				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				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				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				203	130.4

L: Mfr's standard

MATERIAL SPECIFICATIONS

FITTING BODY:

- Ductile Iron to ASTM A536 Gr. 65-45-12 and or to ASTM A395, Gr. 65-45-15. min. tensile strength 65,000 psi (448 MPa).
- 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 galvanized (optional)
- Epoxy coatings in RAL3000 red or other colors (optional)

RINGS

- Carbon Steel
- Stainless steel: 304, 316, 316L

GENERAL NOTES

- Maximum Working Pressure (CWP) listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact Shurjoint for additional information.
- Max. End Load is calculated based on the maximum working pressure (CWP).
- 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 1.5 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.