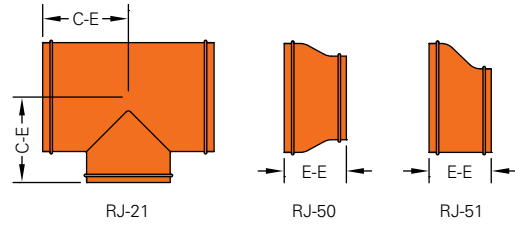


# Ring Joint Fittings

Model

## RJ-21 Reducing Tee RJ-50 Concentric Reducer RJ-51 Eccentric Reducer

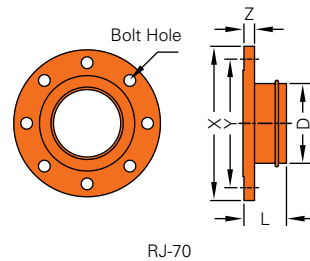


Nominal Size	Pipe O.D.	RJ-21 Reducing Tee			RJ-50 Conc. Reducer		RJ-51 Ecc. Reducer	
		C - E	C - B	Weight	E - E	Weight	E - E	Weight
in	in	in	in	Lbs	in	Lbs	in	Lbs
mm	mm	mm	mm	Kgs	mm	Kgs	mm	Kgs
14 x 12	14.000 x 12.750	11.00	10.62	145.0	8.00	51.0	13.00	51.0
350 x 300	355.6 x 323.9	279	270	66.0	203*	23.0	330	23.0
16 x 12	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 (made of ductile iron). All other E-E: ANSI B16.9.

Model

## RJ-70 Flange Adapter ANSI Class 125/150



RJ-70

Nominal Size	Pipe O.D. D	RJ-70 Flange Adapter							
		X	Y	Z	Bolt Size	Bolt Hole		L	Weight
in	in	in	in	in	in	in	No.	in	Lbs
mm	mm	mm	mm	mm		mm		mm	Kgs
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.

## Pressure Performance Data

The following tables show maximum cold welded and corresponding working pressure working pressures (CWP) of Shurjoint R-88 for applicable steel pipe. couplings based on rings both sides fully

### Model R-88 Ring Joint Coupling

Nominal Size	Pipe O.D.	Max. Working Pressure / Max. End Load Rings both sides fully welded					
		XS (.500")		STD (.375")		LW (.312")	
in	in	PSI	Lbs	PSI	Lbs	PSI	Lbs
mm	mm	Bar	kN	Bar	kN	Bar	kN
8	8.625	600	35040	400	23359	400	23359
200	219.1	42	150.74	28	105.51	28	105.51
10	10.750	600	54430	400	36287	400	36287
250	273.0	42	234.02	28	163.81	28	163.81
12	12.750	600	76567	400	51045	400	51045
300	323.9	42	329.42	28	230.59	28	230.59
200 JIS	8.516	600	34215	400	22772	400	22772
	216.3	42	150.58	28	102.83	28	102.83
250 JIS	10.528	600	52205	400	34803	400	34803
	267.4	42	224.52	28	157.16	28	157.16
300 JIS	12.539	600	74054	400	49369	400	49369
	318.5	42	318.53	28	222.97	28	222.97
14	14.000	600	92316	400	61544	350	53851
350 (R-88N)	355.6	42	397.06	28	277.94	24	238.23
16	16.000	500	100480	400	80384	350	70336
400 (R-88N)	406.4	35	453.78	28	363.02	24	311.16
18	18.000	500	12170	400	101736	350	89019
450 (R-88N)	457.2	35	574.31	28	459.45	24	393.82
20	20.000	500	157000	400	125600	300	94200
500(R-88N)	508.0	35	709.03	28	567.22	20	405.16
24	24.000	500	226080	400	180864	250	113040
600 (R-88N)	609.6	35	1021.00	28	816.80	17	495.92
26	26.000	400	212264	300	159198	250	132665
650 (R-88N)	660.4	28	958.61	20	584.72	17	582.01
28	28.000	400	246176	300	184632	250	153860
700	711.2	28	1111.76	20	794.11	17	675.00
30	30.000	400	282600	300	211950	250	176625
750	762.0	28	1276.26	20	911.61	17	774.87
32	32.000	400	321536	300	241152	250	200960
800	812.8	28	1452.10	20	1037.21	17	881.63
34	34.000	350	317611	300	272238	200	181492
850	863.4	24	1404.45	20	1170.37	14	819.26
36	36.000	350	356076	300	305208	200	203472
900	914.4	24	1575.26	20	1312.72	14	918.90
38	38.000	300	340062	232	262981	175	198370
950	965.2	20	1462.63	16	1170.10	12	877.58
40	40.000	300	376800	232	291392	175	219800
1000	1016.0	20	1620.64	16	1296.51	12	972.39
42	42.000	300	415422	232	321260	175	242330
1050	1066.8	20	1786.76	16	1429.41	12	1072.05
44	44.000	300	455928	232	352584	175	265958
1100	1117.6	20	1960.98	16	1568.78	12	1176.59
48	48.000	300	542592	232	419604	---	---
1200	1219.2	20	2333.72	16	1866.98	---	---
52	52.000	232	492452	175	371462	---	---
1300	1320.8	16	2191.11	12	1643.33	---	---
54	54.000	232	531062	175	400586	---	---
1350	1371.6	16	2362.90	12	1772.17	---	---
56	56.000	232	571128	175	430808	---	---
1400	1422.4	16	2541.17	12	1905.87	---	---
60	60.000	232	656532	175	494550	---	---
1500	1524.0	16	2917.16	12	2187.87	---	---
66	66.000	175	598406	125	427433	---	---
1650	1676.4	12	2647.32	9	1897.24	---	---
68	68.000	175	635222	125	453730	---	---
1700	1727.2	12	2810.19	9	2013.97	---	---
72	72.000	150	610416	125	508680	---	---
1800	1828.8	10	2625.44	9	2257.88	---	---
84	84.000	125	692370	100	553896	---	---
2100	2133.6	9	3073.22	7	2501.46	---	---
96	96.000	125	904320	100	723456	---	---
2400	2438.4	9	4014.01	7	3267.21	---	---