



# API PIPE FLANGES

## Steel Pipe Flanges ASME B16.5 RhJ

Class	si		Ring Number	ki		E		F		K		N		Li			
	Nominal Size			P		in		mm		in		mm		in		mm	
	NPS	DN		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm		
150	1	25	R15	1.875	47.63	0.25	6.35	0.344	8.74	2.50	64	0.16	4	3.00	76		
	1 1/4	32	R17	2.250	57.15	0.25	6.35	0.344	8.74	2.88	73	0.16	4	3.25	83		
	1 1/2	40	R19	2.562	65.07	0.25	6.35	0.344	8.74	3.25	83	0.16	4	3.25	83		
	2	50	R22	3.250	82.55	0.25	6.35	0.344	8.74	4.00	102	0.16	4	3.75	95		
	2 1/2	65	R25	4.000	101.60	0.25	6.35	0.344	8.74	4.75	121	0.16	4	4.00	102		
	3	80	R29	4.500	114.30	0.25	6.35	0.344	8.74	5.25	133	0.16	4	4.00	102		
	4	100	R36	5.875	149.23	0.25	6.35	0.344	8.74	6.75	171	0.16	4	4.00	102		
	5	125	R40	6.750	171.45	0.25	6.35	0.344	8.74	7.62	194	0.16	4	4.25	108		
	6	150	R43	7.625	193.68	0.25	6.35	0.344	8.74	8.62	219	0.16	4	4.50	114		
	8	200	R48	9.750	247.65	0.25	6.35	0.344	8.74	10.75	273	0.16	4	4.75	121		
	10	250	R52	12.000	304.80	0.25	6.35	0.344	8.74	13.00	330	0.16	4	5.00	127		
	12	300	R56	15.000	381.00	0.25	6.35	0.344	8.74	16.00	406	0.16	4	5.25	133		
	14	350	R59	15.625	396.88	0.25	6.35	0.344	8.74	16.75	425	0.12	3	5.75	146		
	16	400	R64	17.875	454.03	0.25	6.35	0.344	8.74	19.00	483	0.12	3	5.75	146		
	18	450	R68	20.375	517.53	0.25	6.35	0.344	8.74	21.50	546	0.12	3	6.25	159		
	20	500	R72	22.000	558.80	0.25	6.35	0.344	8.74	23.50	597	0.12	3	6.75	171		
	300	1	25	R16	2.000	50.80	0.25	6.35	0.344	8.74	2.75	70	0.16	4	3.50	89	
		1 1/4	32	R18	2.375	60.33	0.25	6.35	0.344	8.74	3.12	79	0.16	4	3.75	95	
1 1/2		40	R20	2.688	68.28	0.25	6.35	0.344	8.74	3.56	90	0.16	4	4.00	102		
2		50	R23	3.250	82.55	0.312	7.92	0.469	11.91	4.25	108	0.22	6	4.00	102		
2 1/2		65	R26	4.000	101.60	0.312	7.92	0.469	11.91	5.00	127	0.22	6	4.50	114		
3		80	R31	4.875	123.83	0.312	7.92	0.469	11.91	5.75	146	0.22	6	4.75	121		
4		100	R37	5.875	149.23	0.312	7.92	0.469	11.91	6.88	175	0.22	6	5.00	127		
5		125	R41	7.125	180.98	0.312	7.92	0.469	11.91	8.25	210	0.22	6	5.25	133		
6		150	R45	8.312	211.12	0.312	7.92	0.469	11.91	9.50	241	0.22	6	5.50	140		
8		200	R49	10.625	269.88	0.312	7.92	0.469	11.91	11.88	302	0.22	6	6.00	152		
10		250	R53	12.750	323.85	0.312	7.92	0.469	11.91	14.00	356	0.22	6	6.75	171		
12		300	R57	15.000	381.00	0.312	7.92	0.469	11.91	16.25	413	0.22	6	7.25	184		
14		350	R61	16.500	419.10	0.312	7.92	0.469	11.91	18.00	457	0.22	6	7.50	191		
16		400	R65	18.500	469.90	0.312	7.92	0.469	11.91	20.00	508	0.22	6	8.00	203		
18		450	R69	21.000	533.40	0.312	7.92	0.469	11.91	22.62	575	0.22	6	8.25	210		
20		500	R73	23.000	584.20	0.375	9.53	0.531	13.49	25.00	635	0.22	6	8.75	222		
24		600	R77	27.250	692.15	0.438	11.13	0.656	16.66	29.50	749	0.25	6	10.00	254		

## Steel Pipe Flanges ASME B16.5 RTJ

Class	Nominal Size		Ring Number	E		F		K		N		Li		
	NPS	DN		in	mm	in	mm	in	mm	in	mm	in	mm	
														α
600	1	25	R16	2.000	50.80	0.250	6.35	0.344	8.74	2.75	70.16	4	3.50	89
	1 1/4	32	R18	2.375	60.33	0.250	6.35	0.344	8.74	3.12	79.016	4	3.75	95
	1 1/2	40	R20	2.688	68.28	0.250	6.35	0.344	8.74	3.56	90.16	4	4.25	108
	2	50	R23	3.250	82.55	0.312	7.92	0.469	11.91	4.25	108.019	5	4.25	108
	2 1/2	65	R26	4.000	101.60	0.312	7.92	0.469	11.91	5.00	127.019	5	4.75	121
	3	80	R31	4.875	123.83	0.312	7.92	0.469	11.91	5.75	146.019	5	5.00	127
	4	100	R37	5.875	149.23	0.312	7.92	0.469	11.91	6.88	175.019	5	5.75	146
	5	125	R41	7.125	180.98	0.312	7.92	0.469	11.91	8.25	210.019	5	6.50	165
	6	150	R45	8.312	211.12	0.312	7.92	0.469	11.91	9.50	241.019	5	6.75	171
	8	200	R49	10.625	269.88	0.312	7.92	0.469	11.91	11.88	302.019	5	7.75	197
	10	250	R53	12.750	323.85	0.312	7.92	0.469	11.91	14.00	356.019	5	8.50	216
	12	300	R57	15.000	381.00	0.312	7.92	0.469	11.91	16.25	413.019	5	8.75	222
	14	350	R61	16.500	419.10	0.312	7.92	0.469	11.91	18.00	457.019	5	9.25	235
	16	400	R65	18.500	469.90	0.312	7.92	0.469	11.91	20.00	508.019	5	10.00	254
	18	450	R69	21.000	533.40	0.312	7.92	0.469	13.49	22.62	575.019	5	10.75	273
	20	500	R73	23.000	584.20	0.375	9.53	0.531	26.97	25.00	635.019	5	11.50	292
24	600	R77	27.250	692.15	0.438	15.88	0.656	8.74	29.50	749.022	6	13.25	337	
900	1	25	R16	2.000	50.80	0.250	6.35	0.344	8.74	2.81	71.016	4	5.00	127
	1 1/4	32	R18	2.375	60.33	0.250	6.35	0.344	8.74	3.19	81.016	4	5.00	127
	1 1/2	40	R20	2.688	68.28	0.250	6.35	0.344	11.91	3.62	92.016	4	5.50	140
	2	50	R24	3.750	95.25	0.312	7.92	0.469	11.91	4.88	124.012	3	5.75	146
	2 1/2	65	R27	4.250	107.95	0.312	7.92	0.469	11.91	5.38	137.012	3	6.25	159
	3	80	R31	4.875	123.83	0.312	7.92	0.469	11.91	6.12	155.016	4	5.75	146
	4	100	R37	5.875	149.23	0.312	7.92	0.469	11.91	7.12	181.016	4	6.75	171
	5	125	R41	7.125	180.98	0.312	7.92	0.469	11.91	8.50	216.016	4	7.50	191
	6	150	R45	8.312	211.12	0.312	7.92	0.469	11.91	9.50	241.016	4	7.75	197
	8	200	R49	10.625	269.88	0.312	7.92	0.469	11.91	12.12	308.016	4	8.75	222
	10	250	R53	12.750	323.85	0.312	7.92	0.469	11.91	14.25	362.016	4	9.25	235
	12	300	R57	15.000	381.00	0.312	7.92	0.469	11.91	16.50	419.016	4	10.00	254
	14	350	R62	16.500	419.10	0.438	11.13	0.656	16.66	18.38	467.016	4	11.00	279
	16	400	R66	18.500	469.90	0.438	11.13	0.656	16.66	20.62	524.016	4	11.50	292
	18	450	R70	21.000	533.40	0.500	12.70	0.781	19.84	23.38	594.019	5	13.25	337
	20	500	R74	23.000	584.20	0.500	12.70	0.781	19.84	25.50	648.019	5	14.25	362
24	600	R78	27.250	692.15	0.625	15.88	1.062	26.97	30.38	772.022	6	18.00	457	
1500	1	25	R16	2.000	50.80	0.250	6.35	0.344	8.74	2.81	71.016	4	5.00	127
	1 1/4	32	R18	2.375	60.33	0.250	6.35	0.344	8.74	3.19	81.016	4	5.00	127
	1 1/2	40	R20	2.688	68.28	0.250	6.35	0.344	8.74	3.62	92.016	4	5.50	140
	2	50	R24	3.750	95.25	0.312	7.92	0.469	11.91	4.88	124.012	3	5.75	146
	2 1/2	65	R27	4.250	107.95	0.312	7.92	0.469	11.91	5.38	137.012	3	6.25	159
	3	80	R35	5.375	136.53	0.312	7.92	0.469	11.91	6.62	168.012	3	7.00	178
	4	100	R39	6.375	161.93	0.312	7.92	0.469	11.91	7.62	194.012	3	7.75	197
	5	125	R44	7.625	193.68	0.312	7.92	0.469	11.91	9.00	229.012	3	9.75	248
	6	150	R46	8.312	211.12	0.375	9.52	0.531	13.49	9.75	248.012	3	10.50	267
	8	200	R50	10.625	269.88	0.438	11.13	0.656	16.66	12.50	318.016	4	12.75	324
	10	250	R54	12.750	323.85	0.438	11.13	0.656	16.66	14.62	371.016	4	13.50	343
	12	300	R58	15.000	381.00	0.562	14.27	0.906	23.01	17.25	438.019	5	15.25	387
	14	350	R63	16.500	419.10	0.625	15.88	1.062	26.97	19.25	489.022	6	16.75	425
	16	400	R67	18.500	469.90	0.688	17.48	1.188	30.18	21.50	546.031	8	18.50	470
	18	450	R71	21.000	533.40	0.688	17.48	1.188	30.18	24.12	613.031	8	20.75	527
	20	500	R75	23.000	584.20	0.688	17.48	1.188	33.32	26.50	673.038	10	22.25	565
24	600	R79	27.250	692.15	0.812	20.62	1.312	36.53	31.25	794.044	11	25.50	648	
2500	1	25	R18	2.375	60.33	0.250	6.35	1.438	8.74	3.25	83.016	4	5.50	140
	1 1/4	32	R21	2.844	72.24	0.312	7.92	0.344	11.94	4.00	102.012	3	6.00	152
	1 1/2	40	R23	3.250	82.55	0.312	7.92	0.469	11.94	4.50	114.012	3	6.75	171
	2	50	R26	4.000	101.60	0.312	7.92	0.469	11.91	5.25	133.012	3	7.00	178
	2 1/2	65	R28	4.375	111.13	0.375	9.53	0.531	13.49	5.88	149.012	3	8.00	203
	3	80	R32	5.000	127.00	0.375	9.53	0.531	13.49	6.62	168.012	3	9.00	229
	4	100	R38	6.188	157.18	0.438	11.13	0.656	16.66	8.00	203.016	4	10.25	260
	5	125	R42	7.500	190.50	0.500	12.70	0.781	19.84	9.50	241.016	4	12.25	311
	6	150	R47	9.000	228.60	0.500	12.70	0.781	19.84	11.00	279.016	4	14.00	356
	8	200	R51	11.000	279.40	0.562	14.27	0.906	23.01	13.38	340.019	5	15.50	394
	10	250	R55	13.500	342.90	0.688	17.48	1.188	30.18	16.75	425.025	6	20.00	508
	12	300	R60	16.000	406.40	0.688	17.48	1.312	33.32	19.50	495.031	8	22.00	559