



Note
 - Values for minimum flange thickness, C, and overall length, D, are detailed in the flange tables.
 - For ring joint tolerances

Ring joint facing dimensions - ASME/ANSI B16.5 and B16.47 Series A (MSS SP-44) and Series B (API 605) (Continued)

Class (lb)							Groove/Ring Number	Raised Face	Groove				
150	300	400	600	900	1500	2500		G	K	L	M	R	
Nominal Pipe Size (NPS)								Face Diameter min	Pitch Diameter	Depth ¹	Width	Radius at Bottom	
								in mm	in mm	in mm	in mm	in mm	
						10	R55	16.750 425.45	13.500 342.90	0.688 17.48	1.188 30.18	0.09 2.29	
12							R56	16.000 406.40	15.000 381.00	0.250 6.35	0.344 8.74	0.03 0.76	
	12	12	12				R57	16.250 412.75	15.000 381.00	0.312 7.92	0.469 11.91	0.03 0.76	
				12			R57	16.500 419.10	15.000 381.00	0.312 7.92	0.469 11.91	0.03 0.76	
					12		R58	17.250 438.15	15.000 381.00	0.562 14.27	0.906 23.01	0.06 1.52	
14							R59	16.750 425.45	15.625 396.88	0.250 6.35	0.344 8.74	0.03 0.76	
						12	R60	19.500 495.30	16.000 406.40	0.688 17.48	1.312 33.32	0.09 2.29	
	14	14	14				R61	18.000 457.20	16.500 419.10	0.312 7.92	0.469 11.91	0.03 0.76	
				14			R62	18.380 466.85	16.500 419.10	0.438 11.13	0.656 16.66	0.06 1.52	
					14		R63	19.250 488.95	16.500 419.10	0.625 15.88	1.062 26.97	0.09 2.29	
16							R64	19.000 482.60	17.875 454.03	0.250 6.35	0.344 8.74	0.03 0.76	
	16	16	16				R65	20.000 508.00	18.500 469.90	0.312 7.92	0.469 11.91	0.03 0.76	
				16			R66	20.620 523.75	18.500 469.90	0.438 11.13	0.656 16.66	0.06 1.52	
					16		R67	21.500 546.10	18.500 469.90	0.688 17.48	1.188 30.18	0.09 2.29	
18							R68	21.500 546.10	20.375 517.53	0.250 6.35	0.344 8.74	0.03 0.76	
	18	18	18				R69	22.620 574.55	21.000 533.40	0.312 7.92	0.469 11.91	0.03 0.76	
				18			R70	23.380 593.85	21.000 533.40	0.500 12.70	0.781 19.84	0.06 1.52	
					18		R71	24.120 612.65	21.000 533.40	0.688 17.48	1.188 30.18	0.09 2.29	
20							R72	23.500 596.90	22.000 558.80	0.250 6.35	0.344 8.74	0.03 0.76	
	20	20	20				R73	25.000 635.00	23.000 584.20	0.375 9.53	0.531 13.49	0.06 1.52	
				20			R74	25.500 647.70	23.000 584.20	0.500 12.70	0.781 19.84	0.06 1.52	
					20		R75	26.500 673.10	23.000 584.20	0.688 17.48	1.312 33.32	0.09 2.29	
24							R76	28.000 711.20	26.500 673.10	0.250 6.35	0.344 8.74	0.03 0.76	
	24	24	24				R77	29.500 749.30	27.250 692.15	0.438 11.13	0.656 16.66	0.06 1.52	
				24			R78	30.380 771.65	27.250 692.15	0.625 15.88	1.062 26.97	0.09 2.29	