

Ring Joint Facings - ASME/ANSI B16.5 & B16.47

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	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
					2 1/2		R27	5.380 136.65	4.250 107.95	0.31 27.92	0.469 11.91	0.03 0.76
						2 1/2	R28	5.880 149.35	4.37511 1.13	0.375 9.53	0.531 13.49	0.06 1.52
3							R29	5.250 133.35	4.500 114.30	0.250 6.35	0.344 8.74	0.03 0.76
	2						R30	-	4.625 117.48	0.312 7.92	0.469 11.91	0.03 0.76
	3 ²						R31	5.750 146.05	4.875 123.83	0.312 7.92	0.469 11.91	0.03 0.76
				3			R31	6.120 155.45	4.875 123.83	0.312 7.92	0.469 11.91	0.03 0.76
					3		R32	6.620 168.15	5.000 127.00	0.375 9.53	0.531 13.49	0.06 1.52
3 1/2							R33	6.060 153.92	5.188 131.78	0.250 6.35	0.344 8.74	0.03 0.76
	3 1/2						R34	6.250 158.75	5.188 131.78	0.312 7.92	0.469 11.91	0.03 0.76
					3		R35	6.620 168.15	5.375 136.53	0.312 7.92	0.469 11.91	0.03 0.76
4							R36	6.750 171.45	5.875 149.23	0.250 6.35	0.344 8.74	0.03 0.76
	4	4	4				R37	6.880 174.75	5.875 149.23	0.312 7.92	0.469 11.91	0.03 0.76
				4			R37	7.120 180.85	5.875 149.23	0.312 7.92	0.469 11.91	0.03 0.76
					4		R38	8.000 203.20	6.1881 57.18	0.438 11.13	0.656 16.66	0.06 1.52
					4		R39	7.620 193.55	6.375 161.93	0.312 7.92	0.469 11.91	0.03 0.76
5							R40	7.620 193.55	6.750 171.45	0.250 6.35	0.344 8.74	0.03 0.76
	5	5	5				R41	8.250 209.55	7.125 180.98	0.312 7.92	0.469 11.91	0.03 0.76
				5			R41	8.500 215.90	7.125 180.98	0.312 7.92	0.469 11.91	0.03 0.76
					5		R42	9.500 241.30	7.500 190.50	0.500 12.70	0.781 19.84	0.06 1.52
6							R43	8.620 218.95	7.625 193.68	0.250 6.35	0.344 8.74	0.03 0.76
					5		R44	9.000 228.60	7.625 193.68	0.312 7.92	0.469 11.91	0.03 0.76
	6	6	6				R45	9.500 241.30	8.312 211.12	0.312 7.92	0.469 11.91	0.03 0.76
				6			R45	9.500 241.30	8.312 211.12	0.312 7.92	0.469 11.91	0.03 0.76
					6		R46	9.750 247.65	8.312 211.12	0.375 9.53	0.531 13.49	0.06 1.52
					6		R47	11.000 279.40	9.000 228.60	0.500 12.70	0.781 19.84	0.06 1.52
8							R48	10.750 273.05	9.750 247.65	0.250 6.35	0.344 8.74	0.03 0.76
	8	8	8				R49	11.880 301.75	10.625 269.88	0.312 7.92	0.469 11.91	0.03 0.76
				8			R49	12.120 307.85	10.625 269.88	0.312 7.92	0.469 11.91	0.03 0.76
					8		R50	12.500 317.50	10.625 269.88	0.438 11.13	0.656 16.66	0.06 1.52
					8		R51	13.380 339.85	11.000 279.40	0.562 14.27	0.906 23.01	0.06 1.52
10							R52	13.000 330.20	12.000 304.80	0.250 6.35	0.344 8.74	0.03 0.76
	10	10	10				R53	14.000 355.60	12.750 323.85	0.312 7.92	0.469 11.91	0.03 0.76
				10			R53	14.250 361.95	12.750 323.85	0.312 7.92	0.469 11.91	0.03 0.76
							R54	14.500 368.30	12.750 323.85	0.438 11.13	0.656 16.66	0.06 1.52

This is trial version

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