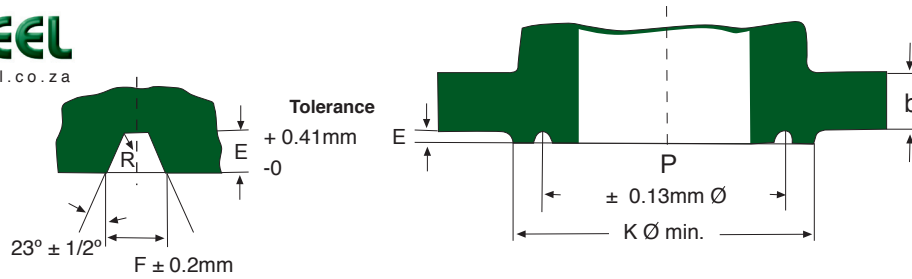


Forged Flanges: Ring Joint Facings

ASME B16.5



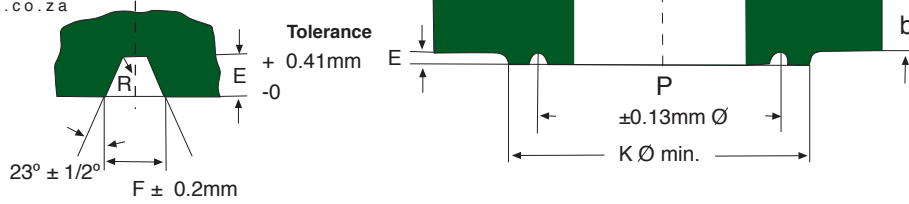
Nominal Size							Groove No.	Groove Dimensions				Diameter of Raised Face K					
Class 150 NPS	Class 300 NPS	Class 400 NPS	Class 600 NPS	Class 900 NPS	Class 1500 NPS	Class 2500 NPS		Pitch Diameter mm P	Depth mm E	Width mm F	Radius at Bottom max. R	Class 150 mm	Class 300 400 600 mm	Class 900 mm	Class 1500 mm	Class 2500 mm	
	1/2"		1/2"				R11	34.14	5.54	7.14	0.8		51				
						1/2"	R12	39.67	6.35	8.74	0.8				60.5		
	3/4"		3/4"			1/2"	R13	42.88	6.35	8.74	0.8		63.6			65.0	
						3/4"	R14	44.45	6.35	8.74	0.8				66.5		
1"							R15	47.63	6.35	8.74	0.8	63.5					
	1"		1"			1"	3/4"	R16	50.80	6.35	8.74	0.8		70.0		71.5	73.0
1 1/4"							R17	57.15	6.35	8.74	0.8	73.0					
	1 1/4"		1 1/4"			1 1/4"	1"	R18	60.33	6.35	8.74	0.8		79.5		61.0	82.5
1 1/2"							R19	65.07	6.35	8.74	0.8	82.5					
	1 1/2"		1 1/2"			1 1/2"		R20	58.27	6.35	8.74	0.8		90.5		92.0	
						1 1/4"		R21	72.23	7.92	11.91	0.8				102	
2"							R22	82.55	6.35	8.74	0.8	102					
	2"		2"			1 1/2"		R23	82.55	7.92	11.91	0.8		108			114
						2"		R24	95.25	7.92	11.91	0.8			124		
2 1/2"							R25	101.50	6.36	8.74	0.8	121					
	2 1/2"		2 1/2"			2"		R26	101.60	7.92	11.91	0.8		127			133
						2 1/2"		R27	107.95	7.92	11.91	0.8				137	
						2 1/2"		R28	111.13	8.52	13.49	1.5					149

Use Class 600 in sizes NPS 1/2" to 3 1/4"

Use Class 1500 in sizes NPS 1/2" to 3 1/4"

Forged Flanges: Ring Joint Facings (cont.)

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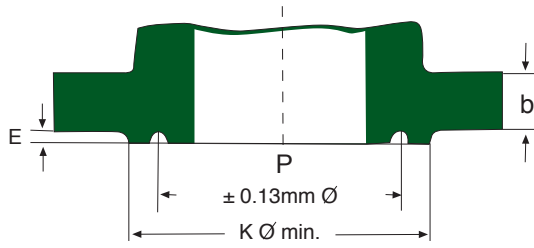
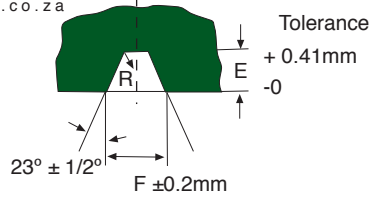


Nominal Size							Groove No.	Groove Dimensions				Diameter of Raised Face K				
Class 150 NPS	Class 300 NPS	Class 400 NPS	Class 600 NPS	Class 900 NPS	Class 1500 NPS	Class 2500 NPS		Pitch Diameter mm P	Depth mm E	Width mm F	Radius at Bottom max. R	Class 150 mm	Class 300 400 600 mm	Class 900 mm	Class 1500 mm	Class 2500 mm
3"		Use Class 600 in sizes NPS 1/4" to 3 1/4"					R29	114.30	6.35	8.74	0.8	133				
	(2)		(2)				R30	117.48	7.92	11.91	0.8					
	3 (2)"		3 (2)"	3			R31	123.83	7.92	11.91	0.8	146	156			
						3"	R32	127.00	9.53	13.49	1.5					168
3 1/2"							R33	131.78	6.35	8.74	0.8	154				
	3 1/2"		3 1/2"				R34	131.78	7.92	11.91	0.8	159				
					3		R35	136.53	7.92	11.91	0.8				168	
4"							R36	149.23	6.35	8.74	0.8	171				
	4"		4"	4"			R37	149.23	7.92	11.91	0.8		175	181		
						4"	R38	157.16	11.13	16.66	1.5					203
					4"		R39	161.93	7.92	11.91	0.8				194	
5"							R40	171.45	6.35	8.74	0.8	194				
	5"		5"	5"			R41	181.08	7.92	11.91	0.8		210	216		
						5"	R42	190.50	12.70	19.84	1.5					241
6"							R43	193.68	6.35	8.74	0.8	219				
					5"		R44	193.68	7.92	11.91	0.8				229	
	6"		6"	6"			R45	211.12	7.92	11.91	0.8		241	241		

• For Ring Joints with lapped flanges in Class 300 and 600, ring and groove number R30 is used instead of R31.

Forged Flanges: Ring Joint Facings (cont.)

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Nominal Size							Groove No.	Groove Dimensions				Diameter of Raised Face K				
Class 150 NPS	Class 300 NPS	Class 400 NPS	Class 600 NPS	Class 900 NPS	Class 1500 NPS	Class 2500 NPS		Pitch Diameter mm P	Depth mm E	Width mm F	Radius at Bottom max. R	Class 150 mm	Class 300 400 600 mm	Class 900 mm	Class 1500 mm	Class 2500 mm
					6"		R46	211.14	9.53	13.49	1.5				248	
						6"	R47	228.60	12.70	19.84	1.5					279
8"							R48	247.65	6.35	8.74	0.8	273				
	8"	8"	8"	8"			R49	269.88	7.92	11.91	0.8		302	308		
					8"		R50	269.40	11.13	16.66	1.5				316	
						8"	R51	279.40	14.27	23.01	1.5					340
10"							R52	304.80	6.35	8.74	0.8	330				
	10"	10"	10"	10"			R53	323.85	7.92	11.91	0.8		356	362		
					10"		R54	323.90	11.13	16.66	1.5				371	
						10"	R55	342.90	17.48	30.18	2.4					425
12"							R56	381.00	6.35	8.74	0.8	406				
	12"	12"	12"	12"			R57	381.00	7.92	11.91	0.8		413	419		
					12"		R58	381.00	14.27	23.01	1.5				438	
14"							R59	396.68	6.35	8.74	0.8	425				
						12"	R60	406.40	17.35	33.32	2.4					495
	14"	14"	14"				R61	419.10	7.92	11.91	0.8		457			
				14"			R62	419.10	11.13	16.68	1.5			467		
					14"		R63	419.10	15.85	26.97	2.4				489	