

PRIMARY SERVICE PRESSURE RATING	NUMBER AND SIZE OF BOLTS FOR FLANGED/JOINTS - ASA B16.5																		
	BOLTING	FLANGE FACING	NOMINAL PIPE SIZE																
			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"	14"	16"
150#	NUMBER		4	4	4	4	4	4	4	4	8	8	8	8	8	12	12	12	16
	DIAMETER		1/2	1/2	1/2	1/2	1/2	5/8	5/8	5/8	5/8	5/8	3/4	3/4	3/4	7/8	7/8	1	1
	LENGTH OF STUD BOLTS	1/16" RF	2 1/4	2 1/4	2 1/2	2 1/2	2 3/4	3	3 1/4	3 1/2	3 1/2	3 1/2	3 3/4	3 3/4	4	4 1/2	4 1/2	5	5 1/4
		RTJ	-	-	3	3	3 1/4	3 1/2	3 3/4	4	4	4	4 1/4	4 1/4	4 1/2	5	5	5 1/2	5 3/4
	LENGTH OF MACH. BOLTS	1/16" RF	1 3/4	2	2	2 1/4	2 1/4	2 3/4	3	3	3	3	3 1/4	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2
RING #		-	-	R15	R17	R19	R22	R25	R29	R33	R36	R40	R43	R48	R52	R56	R59	R64	
300#	NUMBER		4	4	4	4	4	8	8	8	8	8	8	12	12	16	16	20	20
	DIAMETER		1/2	5/8	5/8	5/8	3/4	5/8	3/4	3/4	3/4	3/4	3/4	3/4	7/8	1	1 1/8	1 1/8	1 1/4
	LENGTH OF STUD BOLTS	1/16" RF	2 1/2	2 3/4	3	3	3 1/2	3 1/4	3 3/4	4	4 1/4	4 1/4	4 1/2	4 3/4	5 1/4	6	6 1/2	6 3/4	7 1/4
		RTJ	3	3 1/4	3 1/2	3 1/2	4	4	4 1/2	4 3/4	5	5	5 1/4	5 1/2	6	6 3/4	7 1/4	7 1/2	8
	LENGTH OF MACH. BOLTS	1/16" RF	2	2 1/2	2 1/2	2 3/4	3	3	3 1/4	3 1/2	3 3/4	3 3/4	4	4 1/4	4 3/4	5 1/4	5 3/4	6	6 1/2
RING #		R11	R13	R16	R18	R20	R23	R26	R31	R34	R37	R41	R45	R49	R53	R57	R61	R65	
600#	NUMBER		4	4	4	4	4	8	8	8	8	8	8	12	12	16	20	20	20
	DIAMETER		1/2	5/8	5/8	5/8	3/4	5/8	3/4	3/4	7/8	7/8	1	1	1 1/8	1 1/4	1 1/4	1 3/8	1 1/2
	LENGTH OF STUD BOLTS	1/4" RF	3	3 1/4	3 1/2	3 3/4	4	4	4 1/2	4 3/4	5 1/4	5 1/2	6 1/4	6 1/2	7 1/2	8 1/4	8 1/2	9	9 3/4
		RTJ	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 3/4	5	5 1/2	5 3/4	6 1/2	6 3/4	7 3/4	8 1/2	8 3/4	9 1/4	10
		M&F T&G	2 3/4	3	3 1/4	3 1/2	3 3/4	3 3/4	4 1/4	4 1/2	5	5 1/4	6	6 1/4	7 1/4	8	8 1/4	8 3/4	9 1/2
RING #		R11	R13	R16	R18	R20	R23	R26	R31	R34	R37	R41	R45	R49	R53	R57	R61	R65	
900#	NUMBER		4	4	4	4	4	8	8	8	-	8	8	12	12	16	20	20	20
	DIAMETER		3/4	3/4	7/8	7/8	1	7/8	1	7/8	-	1 1/8	1 1/4	1 1/8	1 3/8	1 3/8	1 3/8	1 1/2	1 5/8
	LENGTH OF STUD BOLTS	1/4" RF	4	4 1/4	4 3/4	4 3/4	5 1/4	5 1/2	6	5 1/2	-	6 1/2	7 1/4	7 1/2	8 1/2	9	9 3/4	10 1/2	11
		RTJ	4	4 1/4	4 3/4	4 3/4	5 1/4	5 3/4	6 1/4	5 3/4	-	6 3/4	7 1/2	7 1/2	8 3/4	9 1/4	10	11	11 1/2
		M&F T&G	3 3/4	4	4 1/2	4 1/2	5	5 1/4	5 3/4	5 1/4	-	6 1/4	7	7 1/4	8 1/4	8 3/4	9 1/2	10 1/4	10 3/4
RING #		-	-	-	-	-	-	-	R31	-	R37	R41	R45	R49	R53	R57	R62	R66	
1500#	NUMBER		4	4	4	4	4	8	8	8	-	8	8	12	12	12	16	16	16
	DIAMETER		3/4	3/4	7/8	7/8	1	7/8	1	1 1/8	-	1 1/4	1 1/2	1 3/8	1 5/8	1 7/8	2	2 1/4	2 1/2
	LENGTH OF STUD BOLTS	1/4" RF	4	4 1/4	4 3/4	4 3/4	5 1/4	5 1/2	6	6 3/4	-	7 1/2	9 1/2	10	11 1/4	13 1/4	14 3/4	16	17 1/2
		RTJ	4	4 1/4	4 3/4	4 3/4	5 1/4	5 3/4	6 1/4	7	-	7 3/4	9 3/4	10 1/4	11 3/4	13 1/2	15 1/4	16 3/4	18 1/2
		M&F T&G	3 3/4	4	4 1/2	4 1/2	5	5 1/4	5 3/4	6 1/2	-	7 1/4	9 1/4	9 3/4	11	13	14 1/2	15 3/4	17 1/4
RING #		R12	R14	R16	R18	R20	R24	R27	R35	-	R39	R44	R46	R50	R54	R58	R63	R67	
2500#	NUMBER		4	4	4	4	4	8	8	8	-	8	8	8	12	12	12	-	-
	DIAMETER		3/4	3/4	7/8	1	1 1/8	1	1 1/8	1 1/4	-	1 1/2	1 3/4	2	2	2 1/2	2 3/4	-	-
	LENGTH OF STUD BOLTS	1/4" RF	4 3/4	4 3/4	5 1/4	5 3/4	6 1/2	6 3/4	7 1/2	8 1/2	-	9 3/4	11 1/2	13 1/2	15	19	21	-	-
		RTJ	4 3/4	4 3/4	5 1/4	6	6 3/4	7	7 3/4	8 3/4	-	10 1/4	12 1/4	14	15 1/2	20	22	-	-
		M&F T&G	4 1/2	4 1/2	5	5 1/2	6 1/4	6 1/2	7 1/4	8 1/4	-	9 1/2	11 1/4	13 1/4	14 3/4	18 3/4	20 3/4	-	-
RING #		R13	R16	R18	R21	R23	R26	R28	R32	-	R38	R42	R47	R51	R55	R60	-	-	