



	Primary Service Pressure Rating	Bolting	Flange Facing	NOMINAL PIPE SIZE																	
				26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
SERIES A	Class 150	Number		24	28	28	28	32	32	32	36	36	40	40	44	44	44	48	48	52	
		Diameter		1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4
		Length of Stud Bolts	1/16" RF	9	9	9 1/2	10 1/4	10 1/2	11	11	11 1/4	11 1/2	12	12	12.5	13 1/4	13 1/2	14	14 1/4	14 1/2	15
	Class 300	Number		28	28	28	28	28	32	32	32	32	32	28	32	32	28	28	32	32	
		Diameter		1 5/8	1 5/8	1 3/4	1 7/8	1 7/8	2	1 1/2	1 5/8	1 5/8	1 3/4	1 7/8	1 7/8	2	2	2 1/4	2 1/4	2 1/4	2 1/4
		Length of Stud Bolts	1/16" RF	10 1/2	11	11 3/4	12 1/2	12 3/4	13 1/4	12 1/2	13 1/4	13 3/4	14 1/4	14 3/4	15 1/4	16	16 1/2	17 1/2	17 1/2	18	18 1/2
	Class 400	Number		28	28	28	28	28	32	32	32	32	32	36	28	32	32	28	32	32	32
		Diameter		1 3/4	1 7/8	2	2	2	2	1 3/4	1 7/8	1 7/8	2	2	2 1/4	2 1/4	2 1/4	2 1/2	2 1/2	2 1/2	2 3/4
		Length of Stud Bolts	1/2" RF	12	12 3/4	13 1/2	14	14 1/4	14 1/2	14 3/4	15 1/2	15 3/4	16 1/2	17	18	18 1/4	18 3/4	19 3/4	20 1/4	20 1/2	21 1/2
	Class 600	Number		28	28	28	28	28	28	32	28	32	32	32	32	28	32	32	32	28	28
		Diameter		1 7/8	2	2	2 1/4	2 1/4	2 1/2	2 1/4	2 1/4	2 1/2	2 1/2	2 1/2	2 3/4	3	3	3	3 1/4	3 1/4	3 1/2
		Length of Stud Bolts	1/4" RF	13 3/4	14 1/4	14 1/2	15 1/4	15 1/2	16 1/4	18	18 1/2	19 3/4	20	20 1/2	21 3/4	23	23 1/2	24	25	25 1/2	26 3/4
	Class 900	Number		20	20	20	20	20	20	20	24	24	24	24	24						
		Diameter		2 3/4	3	3	3 1/4	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 3/4	4	4						
		Length of Stud Bolts	1/2" RF	18	18 3/4	19 1/4	20 1/2	21 1/2	22	23 1/2	24	24 3/4	25 3/4	27 1/4	27 3/4						

Stud-Bolt lengths do not include the height of the points.

Lengths of studs and bolts, when used with lap joints flanges, are dependent upon the thickness of the lap of the stud end.

	Primary Service Pressure Rating	Bolting	Flange Facing	NOMINAL PIPE SIZE																	
				26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
SERIES B	Class 150	Number		36	40	44	48	40	44	40	44	40	44	52	40	44	52	56	60	48	52
		Diameter		3/4	3/4	3/4	3/4	7/8	7/8	1	1	1	1	1 1/8	1.125	1 1/8	1 1/8	1 1/8	1 1/8	1 1/4	1 1/4
		Length of Stud Bolts	1/16" RF	5 3/4	6	6	6	6 3/4	6 3/4	7 1/4	7 1/2	7 1/2	7 3/4	8 1/4	8 1/4	8 3/4	8 3/4	8 3/4	9	9 1/2	9 1/2
	Class 300	Number		32	36	36	32	36	32	36	40	36	40	36	40	44	48	48	36	40	40
		Diameter		1 1/4	1 1/4	1 3/8	1 1/2	1 1/2	1 5/8	1 5/8	1 5/8	1 3/4	1 3/4	1 7/8	1 7/8	1 7/8	1 7/8	1 7/8	2 1/4	2 1/4	2 1/4
		Length of Stud Bolts	1/16" RF	10 1/2	10 1/2	11 1/4	12	12	12 1/4	13	13 1/4	14	14 1/2	14 3/4	14 3/4	15 3/4	16	15 1/2	17 1/2	17 1/2	17 1/2
	Class 400	Number		28	24	28	28	32	28	32	32	32	32	36	28	32	32	28	32	32	32
		Diameter		1 3/8	1 1/2	1 1/2	1 5/8	1 5/8	1 3/4	1 3/4	1 7/8	1 7/8	2	2	2 1/4	2 1/4	2 1/4	2 1/2	2 1/2	2 1/2	2 3/4
		Length of Stud Bolts	1/4" RF	11 1/4	12	12 1/2	13 1/4	13 1/2	14 1/4	14 3/4	15 1/2	15 3/4	16 1/2	17	18	18 1/4	18 3/4	19 3/4	20 1/4	20 1/2	21 1/2
	Class 600	Number		28	28	28	28	24	28	28	32	28	32	32	32	28	32	32	32	32	28
		Diameter		1 5/8	1 3/4	1 7/8	2	2 1/4	2 1/4	2 1/4	2 1/4	2 1/2	2 1/2	2 1/2	2 3/4	3	3	3	3 1/4	3 1/4	3 1/2
		Length of Stud Bolts	1/4" RF	13 1/2	14	15	15 3/4	17	17 1/2	18	18 1/2	19 3/4	20	20 1/2	21 3/4	23	23 1/2	24	25	25 1/2	26 3/4
	Class 900	Number		20	20	20	20	20	24	20	24	24	24	24	24						
		Diameter		2 1/2	2 3/4	3	3	3 1/4	3	3 1/2	3 1/2	3 1/2	3 3/4	4	4						
		Length of Stud Bolts	1/2" RF	17	18 1/2	19 3/4	20	21 1/2	21	23 1/2	24	24 3/4	25 3/4	27 1/4	27 3/4						

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Lengths of studs and bolts, when used with lap joints flanges, are dependent upon the thickness of the lap of the stud end.