

Size		Bolt Size	ANSI Class 150 Lug Body					
			Long Bolt			Short Stud		
			QTY	Length		QTY	Length	
				Machine	Stud			Stud
Inch	mm		Inch	Inch		Inch	Inch	
2	50	5/8" -11 UNC	8	1 1/2	2 3/4	-		-
2.5	65	5/8" -11 UNC	8	1 3/4	2 3/4	-		-
3	80	5/8" -11 UNC	8	1 3/4	2 3/4	-		-
4	100	5/8" -11 UNC	16	2	3	-		-
5	125	3/4" -10 UNC	16	2	3	-		-
6	150	3/4" -10 UNC	16	2	3	-		-
8	200	3/4" -10 UNC	16	2 1/4	3 1/4	-		-
10	250	7/8" -9 UNC	24	2 1/4	3 3/4	-		-
12	300	7/8" -9 UNC	24	2 3/4	4	-		-
14	350	1" -8 UNC	24	3	4 1/2	-		-
16	400	1" -8 UNC	32	3	4 1/2	-		-
18	450	1 - 1/8" -8 UN	32	3 1/4	4 3/4	-		-
20	500	1 - 1/8" -8 UN	32	3 1/2	4 3/4	8		4 1/2
22	550	1 - 1/4" -8 UN	32	4	5 1/2	8		5
24	600	1 - 1/4" -8 UN	32	4	5 1/2	8		5
API Class 150 Lug Body								
26	650	3/4" -10 UNC	64	2 3/4	4 1/4	8		3 1/2
28	700	3/4" -10 UNC	72	3	4 1/2	8		3 1/2
30	750	3/4" -10 UNC	80	3	4 1/2	8		4
32	800	3/4" -10 UNC	88	3	4 3/4	8		4
34	850	7/8" -9 UNC	72	3 1/4	5 1/4	8		4 1/2
36	900	7/8" -9 UNC	80	3 1/4	5 1/4	8		4 3/4
38	950	1" -8 UNC	72	3 3/4	5 3/4	8		5
40	1000	1" -8 UNC	80	3 3/4	6	8		5
42	1050	1" -8 UNC	88	3 3/4	6	8		5
44	1100	1" -8 UNC	96	3 3/4	6	8		5 1/2
46	1150	1 - 1/8" -8 UN	72	4	6 1/4	8		5 1/2
48	1200	1 - 1/8" -8 UN	80	4 1/4	6 1/2	8		5 1/2
MSS Class 150 Lug Body								
26	650	1 - 1/4" -8 UN	40	5	6 1/2	8		5 1/2
28	700	1 - 1/4" -8 UN	48	5	7	8		5 1/2
30	750	1 - 1/4" -8 UN	48	5 1/2	7	8		6 1/4
32	800	1 - 1/2" -8 UN	48	5 1/2	8	8		6 1/2
34	850	1 - 1/2" -8 UN	56	5 3/4	8	8		6 1/2
36	900	1 - 1/2" -8 UN	56	6	8 1/4	8		7
38	950	1 - 1/2" -8 UN	56	6	8 1/4	8		7
40	1000	1 - 1/2" -8 UN	64	6 1/2	8 1/4	8		7
42	1050	1 - 1/2" -8 UN	64	7	8 1/2	8		7 1/4
44	1100	1 - 1/2" -8 UN	72	7	8 3/4	8		7 1/4
46	1150	1 - 1/2" -8 UN	72	7 1/4	8 3/4	8		7 1/2
48	1200	1 - 1/2" -8 UN	80	7 1/4	9	8		7 1/2

NOTE: (1.) ABZ DOES NOT RECOMMEND THE USE OF MACHINE BOLTS IN SHORT THREAD HOLES AND DOES NOT SHOW THEM AS AN OPTION. (2.) THESE ARE RECOMMENDED BOLT AND STUD LENGTHS. IT IS UP TO EACH CUSTOMER TO APPLY LENGTHS PER APPLICATION. (3.) THE LENGTHS ARE BASED ON THE FOLLOWING FLANGES: (A.) ANSI 16.5 FOR 2" THROUGH 12". (B.) ANSI 16.47 SERIES A FOR STANDARD MSS VALVES 26" AND UP. (C.) ANSI 16.47 SERIES B FOR API VALVES 26" AND UP. (4.) ALL FLANGE BOLTING IS TAPPED TO ASME B-1.1 COARSE THREAD CLASS 2B FOR BOLTS 1" AND SMALLER. BOLTS 1-1/8" AND LARGER ARE TAPPED TO 8 THREAD SERIES CLASS 2B.