

FLANGE BOLTING REQUIRED FOR QUADRANT BUTTERFLY VALVES

SIZE	BODY END-TO-END	FLANGE THICKNESS	BOLT SIZE	BOLT QUANTITY	BOLT LENGTH FOR LUG STYLE (UNDER HEAD)	BOLT LENGTH FOR WAFER STYLE (UNDER HEAD)	STUD LENGTH FOR WAFER STYLE
2"	1.69	0.75	5/8"-11UNC	4	1-1/2"	4-1/2"	5-1/2"
2-1/2"	1.81	0.88	5/8"-11UNC	4	1-1/2"	4-1/2"	5-1/2"
3"	1.81	0.94	5/8"-11UNC	4	1-3/4"	5"	6"
4"	2.06	0.94	5/8"-11UNC	8	1-3/4"	5"	6"
5"	2.19	0.94	3/4"-10UNC	8	1-3/4"	5-1/4"	6-1/4"
6"	2.19	1.00	3/4"-10UNC	8	2"	5-1/4"	6-1/4"
8"	2.38	1.12	3/4"-10UNC	8	2"	6"	7"
10"	2.69	1.19	7/8"-9UNC	12	2-1/4"	6-1/2"	7-1/4"
12"	3.06	1.25	7/8"-9UNC	12	2-1/2"	6-3/4"	7-1/2"
14"	3.06	1.38	1"-8UNC	12	2-3/4"	7-1/2"	8"
16"	4.00	1.44	1"-8UNC	16	3"	7-3/4"	9"
18"	4.50	1.56	1-1/8"-7UNC	16	3-1/2"	9"	10"
20"	5.00	1.69	1-1/8"-7UNC	20	4"	10"	10-1/2"
24"	6.06	1.88	1-1/4"-7UNC	20	4-3/4"	11-1/2"	12"
30"	6.50	2.94*	1-1/4"-7UNC	28	6"	14"	14-1/2"
36"	7.88	3.56*	1-1/2"-6UNC	32	7"	17"	18"
42"	9.88	3.81*	1-1/2"-6UNC	36	8-1/4"	19"	20"
48"	10.88	4.25*	1-1/2"-6UNC	44	9-1/4"	21"	22"

* PER MSS SP-44