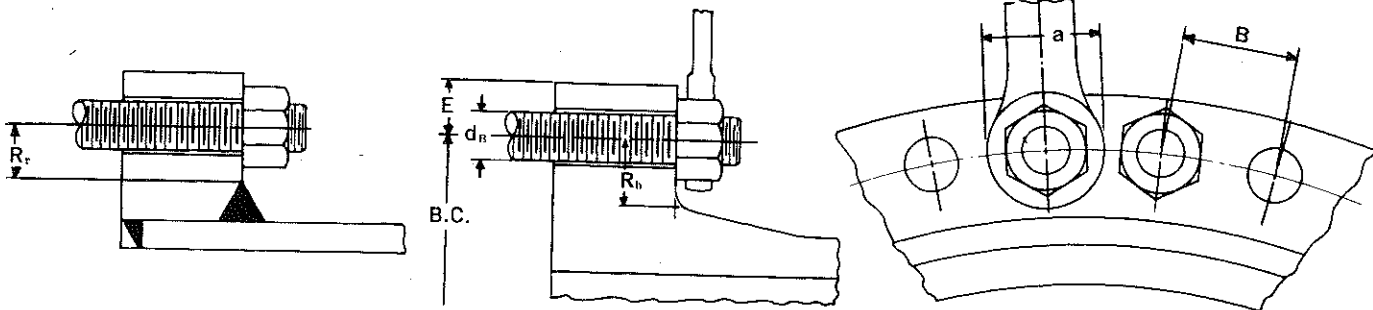


TABLE D-5

## BOLTING DATA - RECOMMENDED MINIMUM

(All Dimensions in Inches Unless Noted)

Bolt Size $d_B$	Threads		Nut Dimensions		Bolt Spacing B	Radial Distance $R_h$	Radial Distance $R_r$	Edge Distance E	Wrench Diameter a	Bolt Size $d_B$
	No. of Threads	Root Area In. <sup>2</sup>	Across Flats	Across Corners						
1/2	13	0.126	7/8	0.969	1 1/4	13/16	5/8	5/8	1 1/2	1/2
5/8	11	0.202	1 1/16	1.175	1 1/2	15/16	3/4	3/4	1 3/4	5/8
3/4	10	0.302	1 1/4	1.383	1 3/4	1 1/8	13/16	13/16	2 1/16	3/4
7/8	9	0.419	1 1/16	1.589	2 1/16	1 1/4	15/16	15/16	2 3/8	7/8
1	8	0.551	1 5/8	1.796	2 1/4	1 3/8	1 1/16	1 1/16	2 5/8	1
1 1/8	8	0.728	1 13/16	2.002	2 1/2	1 1/2	1 1/8	1 1/8	2 7/8	1 1/8
1 1/4	8	0.929	2	2.209	2 13/16	1 3/4	1 1/4	1 1/4	3 1/4	1 1/4
1 3/8	8	1.155	2 3/16	2.416	3 1/16	1 7/8	1 3/8	1 3/8	3 1/2	1 3/8
1 1/2	8	1.405	2 3/8	2.622	3 1/4	2	1 1/2	1 1/2	3 3/4	1 1/2
1 5/8	8	1.680	2 9/16	2.828	3 1/2	2 1/8		1 5/8	4	1 5/8
1 3/4	8	1.980	2 3/4	3.035	3 3/4	2 1/4		1 3/4	4 1/4	1 3/4
1 7/8	8	2.304	2 15/16	3.242	4	2 3/8		1 7/8	4 1/2	1 7/8
2	8	2.652	3 1/8	3.449	4 1/4	2 1/2		2	4 3/4	2
2 1/4	8	3.423	3 1/2	3.862	4 3/4	2 3/4		2 1/4	5 1/4	2 1/4
2 1/2	8	4.292	3 7/8	4.275	5 1/4	3 1/16		2 3/8	5 3/8	2 1/2
2 3/4	8	5.259	4 1/4	4.688	5 3/4	3 3/8		2 5/8	6 1/2	2 3/4
3	8	6.324	4 5/8	5.102	6 1/4	3 5/8		2 7/8	7	3
3 1/4	8	7.487	5	5.515	6 5/8	3 3/4		3	7 1/4	3 1/4
3 1/2	8	8.749	5 3/8	5.928	7 1/8	4 1/8		3 1/4	8	3 1/2
3 3/4	8	10.108	5 3/4	6.341	7 5/8	4 1/16		3 1/2	8 5/8	3 3/4
4	8	11.566	6 1/8	6.755	8 1/8	4 5/8		3 5/8	9	4



Nut dimensions are based on American National Standard B18.2.2

Threads are National Coarse series below 1 inch and eight-pitch thread series 1 inch and above.