



Bolts & Cap Screws

12-Point Flange Bolts

Nominal Size	B		D			F		C	H	W	T	A		R		L _T	Y
	Body Diam.		Flange Diam.			Width Across Flats		Width Across Corners	Head Height	Wrenching Height	Flange Thickness	Gaging Ring Thickness		Gaging Ring Diam.		Thread Length	Transition Thread Length
	Min	Max	Min	Max	Min	Min	Max	Min	Max	Min	Min	Max	Min	Max	Min	Basic	Max
1/4	0.2435	0.375	0.365	0.252	0.244	0.278	0.260	0.15	0.058	0.0525	0.0522	0.2783	0.2780	1.000	0.25		
5/16	0.3053	0.469	0.457	0.315	0.306	0.348	0.312	0.18	0.074	0.0600	0.0597	0.3483	0.3480	1.125	0.28		
3/8	0.3678	0.562	0.550	0.377	0.368	0.420	0.375	0.21	0.095	0.0711	0.0708	0.4203	0.4200	1.250	0.31		
7/16	0.4294	0.656	0.642	0.438	0.429	0.489	0.438	0.26	0.109	0.0840	0.0837	0.4893	0.4890	1.375	0.36		
1/2	0.4919	0.750	0.735	0.502	0.493	0.562	0.500	0.29	0.129	0.0948	0.0945	0.5623	0.5620	1.500	0.38		
9/16	0.5538	0.844	0.828	0.564	0.555	0.633	0.563	0.33	0.145	0.1071	0.1068	0.6333	0.6330	1.625	0.42		
5/8	0.6163	0.938	0.921	0.627	0.618	0.705	0.625	0.36	0.166	0.1179	0.1176	0.7053	0.7050	1.750	0.46		
3/4	0.7406	1.125	1.107	0.752	0.743	0.847	0.750	0.44	0.200	0.1416	0.1413	0.8473	0.8470	2.000	0.50		
7/8	0.8647	1.312	1.293	0.877	0.866	0.987	0.875	0.51	0.234	0.1656	0.1653	0.9873	0.9870	2.250	0.56		
1	0.9886	1.500	1.479	1.003	0.991	1.130	1.000	0.60	0.268	0.1893	0.1890	1.1303	1.1300	2.500	0.62		
1-1/8	1.1086	1.688	1.665	1.128	1.115	1.271	1.125	0.66	0.310	0.2109	0.2106	1.2713	1.2710	2.750	0.71		
1-1/4	1.2336	1.875	1.852	1.253	1.240	1.414	1.250	0.73	0.350	0.2331	0.2328	1.4143	1.4140	3.000	0.71		
1-3/8	1.3568	2.062	2.038	1.378	1.365	1.556	1.375	0.80	0.392	0.2544	0.2541	1.5563	1.5560	3.250	0.83		
1-1/2	1.4818	2.250	2.224	1.503	1.489	1.697	1.500	0.87	0.433	0.2763	0.2760	1.6973	1.6970	3.500	0.83		

Tolerance on Length	Nominal Screw Lengths			
	Up to 1 in., incl.	Over 1 to 2 in., incl.	over 2 to 6 in., incl.	over 6 in.
	-0.031	-0.047	-0.062	-0.125

IFI 115

‡Length of a flange screw is measured from the underhead bearing surface to the extreme end of the screw.

The value-added source for quality bolts, screws, nuts, washers and other industrial fasteners.

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