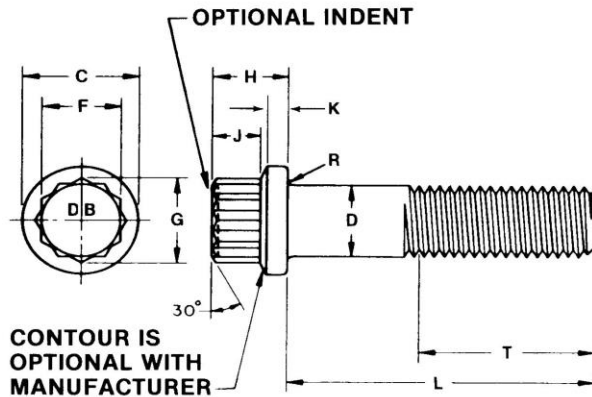


**ALLOY STEEL 12-POINT FLANGE  
BOLT SPECIFICATIONS**



**MATERIAL:** Alloy Steel  
**HARDNESS:** 37-43 RC  
**TENSILE STRENGTH:** 170,000 P.S.I. Min.  
**YIELD STRENGTH:** 153,000 P.S.I. Min.  
**PROOF LOAD:** 140,000 P.S.I. Min.  
**THREADS:** screw size 1/4 through 1 inch  
UNRC/UNRF Class 3A  
screw size 1 1/8 through 1 1/2 inch  
UNRC/UNRF Class 2A  
**HEADMARK:** screw size 1/4 and 5/16 "D" or "DB"  
3/8 and above "DB"

NOMINAL PRODUCT DIAMETER	D		C		F		G	SOCKET WRENCH SIZE	H	K	J	R		T
	BODY DIAMETER		FLANGE DIAMETER		WIDTH ACROSS FLATS		WIDTH ACROSS CORNERS		HEAD HEIGHT	FLANGE THICK- NESS	WRENCH- ING HEIGHT	RADIUS		THREAD LENGTH
	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MIN.		MAX.	MIN.	MIN.	MAX.	MIN.	MIN.
1/4	0.2500	0.2435	0.375	0.365	0.252	0.244	0.278	1/4	0.250	0.058	0.15	0.014	0.009	1.000
5/16	0.3125	0.3053	0.469	0.457	0.315	0.306	0.348	5/16	0.312	0.074	0.18	0.017	0.012	1.125
3/8	0.3750	0.3678	0.562	0.550	0.377	0.368	0.420	3/8	0.375	0.095	0.21	0.020	0.015	1.250
7/16	0.4375	0.4294	0.656	0.642	0.438	0.429	0.489	7/16	0.438	0.109	0.26	0.023	0.018	1.375
1/2	0.5000	0.4919	0.750	0.735	0.502	0.493	0.562	1/2	0.500	0.129	0.29	0.026	0.020	1.500
5/8	0.6250	0.6163	0.938	0.921	0.627	0.618	0.705	5/8	0.625	0.166	0.36	0.032	0.024	1.750
3/4	0.7500	0.7406	1.125	1.107	0.752	0.743	0.847	3/4	0.750	0.200	0.44	0.039	0.030	2.000
7/8	0.8750	0.8647	1.312	1.293	0.877	0.866	0.987	7/8	0.875	0.234	0.51	0.044	0.034	2.250
1	1.0000	0.9886	1.500	1.479	1.003	0.991	1.130	1	1.000	0.268	0.60	0.050	0.040	2.500
1 1/8	1.1250	1.1086	1.688	1.665	1.128	1.115	1.271	1 1/8	1.125	0.310	0.66	0.055	0.045	2.750
1 1/4	1.2500	1.2336	1.875	1.852	1.253	1.240	1.414	1 1/4	1.250	0.350	0.73	0.060	0.050	3.000
1 1/2	1.5000	1.4818	2.250	2.224	1.503	1.489	1.697	1 1/2	1.500	0.433	0.87	0.070	0.060	3.500