

BOLT SIZE	60-69000 Psi Steel SAE GRADE 2					120000 Psi Steel SAE GRADE 5					150000 Psi Steel SAE GRADE 8				
	Aprox. Strength		Proof	Assembly Torque		Aprox. Strength		Proof	Assembly Torque		Aprox. Strength		Proof	Assembly Torque	
	Tensile	Sheer	Load Lbs.	Dry Lbs	Lub. Lbs	Tensile	Sheer	Load Lbs.	Dry Lbs	Lub. Lbs	Tensile	Sheer	Load Lbs.	Dry Lbs	Lub. Lbs
1/4-20	2194	1426	1755	5.5	4.1	3816	2480	3053	9.5	7.2	4770	3101	3816	12	9
1/4-28	2512	1633	2009	6.3	4.7	4368	2839	3494	10.9	8.2	5460	3549	4368	14	10
5/16-18	3616	2350	2892	11	8	6288	4087	5030	20	15	7860	5109	6288	25	18
5/16-24	4002	2601	3202	13	9	6960	4524	5568	22	16	8700	5655	6960	27	20
3/8-16	5348	3476	4278	20	15	9300	6045	7440	35	26	11625	7556	9300	44	33
3/8-24	6058	3938	4847	23	17	10536	6848	8429	40	30	13170	8561	10536	49	37
7/16-14	7335	4768	5868	32	24	12756	8291	10205	56	42	15945	10364	12756	70	52
7/16-20	8190	5324	6552	36	27	14244	9259	11395	62	47	17805	11573	14244	78	58
1/2-13	9791	6364	7833	49	37	17028	11068	13622	85	64	21285	13835	17028	106	80
1/2-20	11033	7172	8826	55	41	19188	12472	15350	96	72	23985	15590	19188	120	90
9/16-12	12558	8163	10046	71	53	21840	14196	17472	123	92	27300	17745	21840	154	115
9/16-18	14007	9105	11206	79	59	24360	15834	19488	137	103	30450	19793	24360	171	128
5/8-11	15594	10136	12475	97	73	27120	17628	21696	170	127	33900	22035	27120	212	159
5/8-18	17664	11482	14131	110	83	30720	19968	24576	192	144	38400	24960	30720	240	180
3/4-10	23046	14980	18437	173	130	40080	26052	32064	301	225	50100	32565	40080	376	282
3/4-16	25737	16729	20590	193	145	44760	29094	35808	336	252	55950	36368	44760	420	315
7/8-9	27720	18018	22176	243	182	55440	36036	44352	485	364	69300	45045	55440	606	455
7/8-14	30540	19851	24432	267	200	61080	39702	48864	534	401	76350	49628	61080	668	501
1-8	36360	23634	29088	364	273	63630	41360	50904	636	477	90900	59085	72720	909	682
1-12	39780	25857	31824	398	298	69615	45250	55692	696	522	99450	64643	79560	995	746
1-14	40740	26481	32592	407	306	71295	46342	57036	713	535	101850	66203	81480	1019	764
1 1/8-7	45780	29757	36624	515	386	80115	52075	64092	901	676	114450	74393	91560	1288	966
1 1/8-12	51360	33384	41088	578	433	89880	58422	71904	1011	758	128400	83460	102720	1445	1083
1 1/4-7	58140	37791	46512	727	545	101745	66134	81396	1272	954	145350	94478	116280	1817	1363
1 1/4-12	64380	41847	51504	805	604	112665	73232	90132	1408	1056	160950	104618	128760	2012	1509
1 3/8-6	69300	45045	55440	953	715	121275	78829	97020	1668	1251	173250	112613	138600	2382	1787
1 3/8-12	78900	51285	63120	1085	814	138075	89749	110460	1899	1424	197250	128213	157800	2712	2034
1 1/2-6	84300	54795	67440	1265	948	147525	95891	118020	2213	1660	210750	136988	168600	3161	2371
1 1/2-12	94860	61659	75888	1423	1067	166005	107903	132804	2490	1868	237150	154148	189720	3557	2668

IF THIS INFORMATION IS NOT PERFECTLY ACCURATE WE ARE NOT LIABLE
SHEER STRENGTHS ARE APPROXAMATELY 70% OF TENSILE STRENGTH