

# Comparative Torque Chart



## Using FASTORQ® Lubricants

Bolt Diameter (inches)	Torque applied in Ft. Lbs. with FASTORQ Lubricants to reach 50% of yield		
	FASTORQ 70+	FASTORQ 72	FASTORQ A/G
3/4"	121	132	77
7/8"	194	212	124
1"	291	318	185
1-1/8"	428	467	272
1-1/4"	601	656	383
1-3/8"	816	890	519
1-1/2"	1,076	1,174	685
1-5/8"	1,387	1,513	883
1-3/4"	1,753	1,912	1,115
1-7/8"	2,177	2,375	1,386
2"	2,666	2,908	1,696
2-1/4"	3,850	4,200	2,450
2-1/2"	4,833	5,273	3,076
2-3/4"	6,493	7,083	4,132
3"	8,495	9,267	5,406
3-1/4"	10,871	11,859	6,918
3-1/2"	13,653	14,894	8,688
3-3/4"	16,873	18,407	10,738
4"	20,564	22,433	13,086
4-1/4"	19,545	21,322	12,438
4-1/2"	23,277	25,393	14,813
4-3/4"	27,456	29,952	17,472
5"	32,108	35,027	20,432
5-1/4"	37,257	40,644	23,709
5-1/2"	42,930	46,832	27,319
5-3/4"	49,150	53,619	31,278
6"	55,945	61,031	35,601
	K=0.110	K=0.120	K=0.07

**TORQUE VALUES PRESENTED ARE BASED ON:**

- 1) ASTM A193 B7 studs and heavy hex nuts
- 2) New condition of flanges, studs and nuts
- 3) Thorough application of lubricant on all mating surfaces
- 4) Temperature at 75<sup>0</sup> Fahrenheit