

Flexpro Gasket Torque Chart

NPS (in.)	Class 150		Class 300		Class 400		Class 600	
	MinTorque	Max Torque	MinTorque	Max Torque	MinTorque	Max Torque	MinTorque	Max Torque
0.5	15	50	30	45	30	40	30	45
0.75	15	50	30	80	60	85	60	85
1	15	60	30	90	60	90	60	90
1.25	30	60	50	120	60	120	60	120
1.5	30	60	65	170	100	170	100	170
2	60	120	45	100	60	100	60	100
2.5	60	120	140	140	100	140	100	140
3	90	120	200	200	100	200	100	200
3.5	60	120	100	200	160	263	160	263
4	75	120	100	200	160	320	160	320
5	100	200	100	200	160	320	245	490
6	120	200	100	200	160	320	245	460
8	160	200	160	300	245	490	355	710
10	160	320	240	490	355	648	500	715
12	160	320	300	710	500	851	500	710
14	280	490	300	670	500	742	680	970
16	245	490	420	1000	680	1092	800	1135
18	360	710	420	1000	680	1193	1100	1590
20	360	710	500	1000	800	1270	1100	1560
24	500	1000	650	1600	1500	2277	2000	2840

NPS	Class 900		Class 1500		Class 2500	
	Min Torque	Max Torque	Min Torque	Max Torque	Min Torque	Max Torque
0.5	70	120	70	120	50	100
0.75	70	120	70	120	70	100
1	110	190	110	190	105	160
1.25	110	190	110	190	210	245
1.5	165	290	170	290	290	355
2	110	190	110	190	185	245
2.5	165	290	170	290	255	355
3	125	200	245	355	445	500
4	240	415	400	500	700	800
5	350	585	560	800	1240	1500
6	285	455	520	680	1835	2200
8	480	795	805	1100	1700	2200
10	500	795	1480	2000	2915	4400
12	535	795	1470	2200	4295	5920
14	600	935	2120	3180		
16	895	1285	2935	4400		
18	1520	2335	3950	5920		
20	1720	2570	5150	7720		
24	2950	5135	8335	12500		



Notes:

Torque Values are in ft.-lbs., and assume Alloy Steel Bolts (A193 B7 w/ 2H Nuts) with oil/graphite lubrication.

(Nut factors used on these charts are within .15 to .19)

Flexitallic does not generally recommend a bolt stress above 60,000 PSI

Torque values limit minimum and maximum gasket seating stresses based upon pressure class and certain operating conditions. (i.e: maximum pressure ratings for given pressure class, not hydrotest pressure). Extreme operating conditions such as high temperature may reduce bolt yield strength. Caution should be used in these applications. The above torque values are for general use only. For critical or extreme applications (high temperature/pressure) consult with Flexitallic engineering.

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