



**Bolt Torque Values for ASME B16.47 Series A Class 150# Flat Flanges
with A193 Grade B7 Bolts**

For Full Face Homogenous Elastomeric Gaskets

Nominal Pipe Size (in)	# of Bolt Holes (in)	Size of Bolts (in)	Minimum Torque (ft. lbs.)	<70 durometer	>70 durometer
				Shore A	Shore A
				Preferred Torque (ft. lbs.)	Preferred Torque (ft. lbs.)
26	24	1.25	238	238	318
28	28	1.25	224	224	299
30	28	1.25	248	248	331
32	28	1.50	309	309	412
34	32	1.50	283	283	377
36	32	1.50	309	309	411
38	32	1.50	356	356	474
40	36	1.50	328	328	438
42	36	1.50	354	354	472
44	40	1.50	339	339	452
46	40	1.50	354	354	473
48	44	1.50	342	342	456
50	44	1.75	470	470	626
52	44	1.75	502	502	669
54	44	1.75	535	535	713
56	48	1.75	528	528	705
58	48	1.75	561	561	747
60	52	1.75	530	530	707

NOTE 1: This torque table applies for 1/16" and 1/8" thick homogenous elastomeric gaskets. The pressure rating of the material may vary depending on the grade.

NOTE 2: The above-mentioned torque values are based on the maximum bolt stress of 60,000 psi. Bolt yield should be at least 80,000 psi.

NOTE 3: This table does not take flange strength into consideration. We recommend consulting the flange manufacturer to confirm the suitability of the above-mentioned values.

NOTE 4: Apply torque in increments. When the gasket extends past the O.D. of the flange by 1/4:" to 3/8", stop tightening.