

Torque Requirements for KLINGERSil, Top-Graph 2000 and Top-Chem 2000 gaskets to ASME B16.21

Nominal Bore	Class 150		Class 300		Class 600	
	Minimum Bolt Torque		Minimum Bolt Torque		Minimum Bolt Torque	
	Nm	Ft-lbs	Nm	Ft-lbs	Nm	Ft-lbs
1/2	32	24	32	24	52	38
3/4	52	38	63	46	101	75
1	52	38	63	46	101	75
1 1/4	52	38	101	75	114	84
1 1/2	52	38	177	131	177	131
2	101	75	101	75	101	75
2 1/2	101	75	177	131	177	131
3	126	93	177	131	200	148
4	101	75	177	131	319	235
5	177	131	200	148	475	351
6	177	131	177	131	475	351
8	177	131	319	235	694	512
10	284	210	423	312	862	636
12	284	210	617	455	970	716
14	423	312	617	455	1312	968
16	423	312	862	636	1725	1273
18	617	455	862	636	2214	1634
20	617	455	970	716	2214	1634
24	862	636	1533	1131	3463	2556

Note: All values are for lubricated bolts (Co-efficient of friction = 0.12)