

**Torque para Juntas Planas en Sigraflex # 1,5 mm.
ASME B16.5 Class 150# Raised Face Flanges**

Nominal Pipe Size (in)	Raised Face Contact I.D. (in)	Raised Face Contact O.D. (in)	Gasket Contact Area (sq.in.)	Number Of Bolts	Size of Bolts (in)	Bolt Torque at 60ksi Stress (ft.lbs.)	Comp Force per Bolt @ 60k (lbs.)	Max. Gasket Stress Avail. (psi)	Internal Pressure (psig)	Min. Rec'd Gasket Stress (psi)	Min. Rec'd Torque/Bolt (ft.lbs.)	Max. Rec'd/Avg Gasket Stress (psi)	Preferred Torque/Bolt (ft.lbs.)
0.5	0.84	1.38	0.94	4	0.50	60	7560	32134	<300	3600	7	10000	19
0.75	1.06	1.69	1.36	4	0.50	60	7560	22235	<300	3600	10	10000	27
1	1.31	2.00	1.79	4	0.50	60	7560	16867	<300	3600	13	10000	36
1.25	1.66	2.50	2.74	4	0.50	60	7560	11024	<300	3600	20	10000	54
1.5	1.91	2.88	3.65	4	0.50	60	7560	8291	<300	3600	26	8291	60
2	2.38	3.62	5.84	4	0.63	120	12120	8301	<300	3600	52	8301	120
2.5	2.88	4.12	6.81	4	0.63	120	12120	7115	<300	3600	61	7115	120
3	3.50	5.00	10.01	4	0.63	120	12120	4844	<300	3600	89	4844	120
3.5	4.00	5.50	11.19	8	0.63	120	12120	8668	<300	3600	50	8668	120
4	4.50	6.19	14.18	8	0.63	120	12120	6837	<300	3600	63	6837	120
5	5.56	7.31	17.68	8	0.75	200	18120	8199	<300	3600	88	8199	200
6	6.62	8.50	22.31	8	0.75	200	18120	6496	<300	3600	111	6496	200
8	8.62	10.62	30.21	8	0.75	200	18120	4799	<300	3600	150	4799	200
10	10.75	12.75	36.90	12	0.88	320	25140	8177	<300	3600	141	8177	320
12	12.75	15.00	49.01	12	0.88	320	25140	6155	<300	3600	187	6155	320
14	14.00	16.25	53.43	12	1.00	490	33060	7425	<300	3600	238	7425	490
16	16.00	18.50	67.71	16	1.00	490	33060	7813	<300	3600	226	7813	490
18	18.00	21.00	91.85	16	1.13	710	43680	7609	<300	3600	336	7609	710
20	20.00	23.00	101.27	20	1.13	710	43680	8627	<300	3600	296	8627	710
24	24.00	27.25	130.75	20	1.25	1000	55740	8526	<300	3600	422	8526	1000

**Torque para Juntas Planas en Sigraflex # 1,5 mm.
ASME B16.5 Class 300# Raised Face Flanges**

Nominal Pipe Size (in)	Raised Face Contact I.D. (in)	Raised Face Contact O.D. (in)	Gasket Contact Area (sq.in.)	Number Of Bolts	Size of Bolts (in)	Bolt Torque at 60ksi Stresser (ft.lbs.)	Comp Force per Bolt @ 60k (lbs.)	Max. Gasket Stress Avail. (psi)	Internal Pressure (psig)	Min. Rec'd Gasket Stress (psi)	Min. Rec'd Torque/Bolt (ft.lbs.)	Max. Rec'd/Avail Gasket Stress (psi)	Preferred Torque/Bolt (ft.lbs.)
0.5	0.84	1.38	0.94	4	0.50	60	7560	32134	<800	4800	9	10000	19
0.75	1.06	1.69	1.36	4	0.63	120	12120	35647	<800	4800	16	10000	34
1	1.31	2.00	1.79	4	0.63	120	12120	27041	<800	4800	21	10000	44
1.25	1.66	2.50	2.74	4	0.63	120	12120	17673	<800	4800	33	10000	68
1.5	1.91	2.88	3.65	4	0.75	200	18120	19872	<800	4800	48	10000	101
2	2.38	3.62	5.84	8	0.63	120	12120	16602	<800	4800	35	10000	72
2.5	2.88	4.12	6.81	8	0.75	200	18120	21274	<800	4800	45	10000	94
3	3.50	5.00	10.01	8	0.75	200	18120	14483	<800	4800	66	10000	138
3.5	4.00	5.50	11.19	8	0.75	200	18120	12959	<800	4800	74	10000	154
4	4.50	6.19	14.18	8	0.75	200	18120	10221	<800	4800	94	10000	196
5	5.56	7.31	17.68	8	0.75	200	18120	8199	<800	4800	117	8199	200
6	6.62	8.50	22.31	12	0.75	200	18120	9745	<800	4800	99	9745	200
8	8.62	10.62	30.21	12	0.88	320	25140	9987	<800	5000	160	9987	320
10	10.75	12.75	36.90	16	1.00	490	33060	14337	<800	5400	185	10000	342
12	12.75	15.00	49.01	16	1.13	710	43680	14259	<800	5400	269	10000	498
14	14.00	16.25	53.43	20	1.13	710	43680	16351	<800	5400	234	10000	434
16	16.00	18.50	67.71	20	1.25	1000	55740	16465	<800	5400	328	10000	607
18	18.00	21.00	91.85	24	1.25	1000	55740	14565	<800	5400	371	10000	687
20	20.00	23.00	101.27	24	1.25	1000	55740	13210	<800	5400	409	10000	757
24	24.00	27.25	130.75	24	1.50	1600	84300	15474	<800	5600	579	10000	1034

**Torque para Juntas Planas en Sigraflex # 1,5 mm.
ASME B16.5 Class 600# Raised Face Flanges**

Nominal Pipe Size (in)	Raised Face Contact I.D. (in)	Raised Face Contact O.D. (in)	Gasket Contact Area (sq.in.)	Number Of Bolts	Size of Bolts (in)	Bolt Torque at 60ksi Stress (ft.lbs.)	Comp Force per Bolt @ 60k (lbs.)	Max. Gasket Stress Avail. (psi)	Internal Pressure (psig)	Min. Rec'd Gasket Stress (psi)	Min. Rec'd Torque/Bolt (ft.lbs.)	Max. Rec'd/Ava Gasket Stress (psi)	Preferred Torque/Bolt (ft.lbs.)
0.5	0.84	1.38	0.94	4	0.50	60	7560	32134	<1500	7200	13	10000	19
0.75	1.06	1.69	1.36	4	0.63	120	12120	35647	<1500	7200	24	10000	34
1	1.31	2.00	1.79	4	0.63	120	12120	27041	<1500	7400	33	10000	44
1.25	1.66	2.50	2.74	4	0.63	120	12120	17673	<1500	7400	50	10000	68
1.5	1.91	2.88	3.65	4	0.75	200	18120	19872	<1500	7400	74	10000	101
2	2.38	3.62	5.84	8	0.63	120	12120	16602	<1500	7400	53	10000	72
2.5	2.88	4.12	6.81	8	0.75	200	18120	21274	<1500	7400	70	10000	94
3	3.50	5.00	10.01	8	0.75	200	18120	14483	<1500	7400	102	10000	138
3.5	4.00	5.50	11.19	8	0.88	320	25140	17979	<1500	7400	132	10000	178
4	4.50	6.19	14.18	8	0.88	320	25140	14181	<1500	7400	167	10000	226
5	5.56	7.31	17.68	8	1.00	490	33060	14959	<1500	7400	242	10000	328
6	6.62	8.50	22.31	12	1.00	490	33060	17779	<1500	7400	204	10000	276
8	8.62	10.62	30.21	12	1.13	710	43680	17352	<1500	7400	303	10000	409
10	10.75	12.75	36.90	16	1.25	1000	55740	24172	<1500	7400	306	10000	414
12	12.75	15.00	49.01	20	1.25	1000	55740	22745	<1500	7400	325	10000	440
14	14.00	16.25	53.43	20	1.38	1360	69300	25941	<1500	7600	398	10000	524
16	16.00	18.50	67.71	20	1.50	1600	84300	24902	<1500	7600	488	10000	643
18	18.00	21.00	91.85	20	1.63	2200	100800	21950	<1500	7400	742	10000	1002
20	20.00	23.00	101.27	24	1.63	2200	100800	23890	<1500	7400	681	10000	921
24	24.00	27.25	130.75	24	1.88	4000	138240	25375	<1500	7400	1167	10000	1576