

Spiral Wound Gasket - Reference Performance Test Load & Max Allowable Leakage Rate as per ASME B16.20 – 2017 / ASME B16.5 Flange

SIZE	150 #		300 #		400 #		600 #		900 #		1500 #		2500 #	
	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)
0.50"	1.79	123	2.86	123	2.86	123	3.57	123	3.57	123	3.57	123	3.57	123
0.75"	2.55	154	4.08	154	4.08	154	5.10	154	5.10	154	5.10	154	5.10	154
1.00"	3.52	185	5.63	185	5.63	185	7.04	185	7.04	185	7.04	185	7.04	185
1.25"	3.80	235	6.08	235	6.08	235	7.60	235	11.56	235	11.56	235	11.56	235
1.50"	5.41	271	8.66	271	8.66	271	10.83	271	14.37	271	14.37	271	14.37	271
2.00"	6.89	333	11.02	333	11.02	333	13.77	333	21.73	333	21.73	333	21.73	333
2.50"	8.01	382	12.82	382	12.82	382	16.02	382	26.72	382	26.72	382	26.72	382
3.00"	11.73	468	18.77	468	18.77	468	23.46	468	30.32	468	33.53	468	33.53	468
3.50"	13.07	522	20.91	522	30.12	522	37.64	522	--	--	--	--	--	--
4.00"	17.11	579	27.37	579	34.27	579	42.83	579	42.83	579	46.92	579	46.92	579
5.00"	20.36	689	32.58	689	43.44	689	54.30	689	54.30	689	61.69	689	61.69	689
6.00"	29.26	813	46.81	813	59.13	813	73.92	813	73.92	813	80.23	813	80.23	813
8.00"	41.61	1022	66.58	1022	82.41	1022	103.01	1022	95.23	1022	86.43	1022	86.43	1022
10.0"	32.46	1231	51.93	1231	91.88	1231	114.85	1231	94.72	1231	92.14	1231	86.05	1231
12.0"	36.96	1453	59.13	1453	100.77	1453	125.96	1453	91.95	1453	91.95	1453	85.56	1453
14.0"	36.96	1576	59.13	1576	94.80	1576	118.50	1576	92.14	1576	80.23	1576	--	--
16.0"	43.03	1798	68.84	1798	107.03	1798	133.78	1798	91.95	1798	85.56	1798	--	--
18.0"	53.10	2044	84.96	2044	118.89	2044	148.62	2044	94.18	2044	94.18	2044	--	--
20.0"	53.10	2241	84.96	2241	118.89	2241	148.62	2241	85.56	2241	94.18	2241	--	--
22.0"	33.89	2463	78.08	2463	100.82	2463	126.03	2463	--	--	--	--	--	--
24.0"	57.12	2659	91.40	2659	118.71	2659	148.39	2659	85.56	2659	102.49	2659	--	--

Note: Upto NPS 8" 300 # - Direct Gasket Testing method shall be used and from NPS 8" 400 # & above - Equivalent Gasket Testing method shall be used. The above loads & leakage rate are calculated accordingly & Test Load Values are in Tonnes and leakage rate are in PPM.

Spiral Wound Gasket - Reference Performance Test Load & Max Allowable Leakage Rate as per ASME B16.20 – 2017 / ASME B16.47 Series A Flange

SIZE	150 #		300 #		400 #		600 #		900 #		1500 #		2500 #	
	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)
26"	43.54	2775	107.03	2900	106.93	2900	133.78	2900	103.41	2900	--	--	--	--
28"	43.54	2975	107.03	3100	106.93	3100	133.78	3100	103.41	3100	--	--	--	--
30"	43.54	3175	107.03	3325	106.93	3325	133.78	3325	103.41	3325	--	--	--	--
32"	47.74	3388	107.03	3550	106.93	3550	133.78	3550	103.41	3550	--	--	--	--
34"	47.74	3588	107.03	3750	106.93	3750	133.78	3750	103.41	3750	--	--	--	--
36"	55.59	3813	107.03	3963	106.93	3963	133.78	3963	103.41	3975	--	--	--	--
38"	55.59	4013	82.41	4000	106.93	4025	133.78	4100	103.41	4275	--	--	--	--
40"	55.59	4213	101.15	4213	106.93	4238	133.78	4325	103.41	4525	--	--	--	--
42"	59.37	4425	101.15	4413	106.93	4438	133.78	4550	103.41	4725	--	--	--	--
44"	63.34	4638	107.03	4650	106.93	4650	133.78	4775	103.41	4950	--	--	--	--
46"	63.34	4838	107.03	4838	106.93	4900	133.78	4975	133.78	5200	--	--	--	--
48"	63.34	5038	107.03	5063	106.93	5100	133.78	5200	133.78	5400	--	--	--	--
50"	66.89	5250	107.03	5300	106.93	5300	133.78	5400	--	--	--	--	--	--
52"	66.89	5450	107.03	5500	106.93	5500	133.78	5600	--	--	--	--	--	--
54"	66.89	5650	107.03	5725	106.93	5725	133.78	5825	--	--	--	--	--	--
56"	66.89	5850	107.03	5925	106.93	5925	133.78	6025	--	--	--	--	--	--
58"	66.89	6050	107.03	6150	106.93	6125	133.78	6250	--	--	--	--	--	--
60"	66.89	6250	107.03	6350	106.93	6375	133.78	6475	--	--	--	--	--	--

Note: Upto NPS 8" 300 # - Direct Gasket Testing method shall be used and from NPS 8" 400 # & above - Equivalent Gasket Testing method shall be used. The above loads & leakage rate are calculated accordingly & Test Load Values are in Tonnes and leakage rate are in PPM.

Spiral Wound Gasket - Reference Performance Test Load & Max Allowable Leakage Rate as per ASME B16.20 – 2017 / ASME B16.47 Series B Flange

SIZE	150 #		300 #		400 #		600 #		900 #		1500 #		2500 #	
	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)	Load (Tonnes)	Max Allowable Leakage Rate (ppm)
26"	35.23	2750	82.41	2800	69.46	2750	133.78	2813	94.18	2950	--	--	--	--
28"	35.23	2950	82.41	3000	75.78	2950	133.78	2975	94.18	3150	--	--	--	--
30"	35.23	3150	82.41	3200	88.55	3175	133.78	3263	103.41	3375	--	--	--	--
32"	35.23	3350	82.41	3400	101.34	3388	133.78	3475	103.41	3600	--	--	--	--
34"	43.54	3575	82.41	3600	94.99	3588	133.78	3700	103.41	3825	--	--	--	--
36"	43.54	3775	82.41	3800	100.77	3800	133.78	3900	103.41	3925	--	--	--	--
38"	47.36	3975	82.41	4125	107.03	4025	133.78	4100	103.41	4275	--	--	--	--
40"	55.59	4188	82.41	4325	107.03	4238	133.78	4325	103.41	4525	--	--	--	--
42"	47.74	4388	82.41	4525	107.03	4438	133.78	4550	103.41	4725	--	--	--	--
44"	55.59	4588	82.41	4725	107.03	4650	133.78	4775	103.41	4950	--	--	--	--
46"	57.43	4819	82.41	4938	107.03	4900	133.78	4975	103.41	5200	--	--	--	--
48"	51.51	5000	101.15	5163	107.03	5100	133.78	5200	103.41	5400	--	--	--	--
50"	57.43	5219	82.41	5338	107.03	5300	133.78	5400	--	--	--	--	--	--
52"	57.43	5419	82.41	5538	107.03	5500	133.78	5600	--	--	--	--	--	--
54"	51.51	5600	107.03	5725	107.03	5725	133.78	5825	--	--	--	--	--	--
56"	45.33	5819	94.80	6000	107.03	5925	133.78	6025	--	--	--	--	--	--
58"	39.54	6019	82.41	6194	107.03	6125	133.78	6250	--	--	--	--	--	--
60"	39.54	6244	88.94	6419	107.03	6375	133.78	6475	--	--	--	--	--	--

Note: Upto NPS 8" 300 # - Direct Gasket Testing method shall be used and from NPS 8" 400 # & above - Equivalent Gasket Testing method shall be used. The above loads & leakage rate are calculated accordingly & Test Load Values are in Tonnes and leakage rate are in PPM.