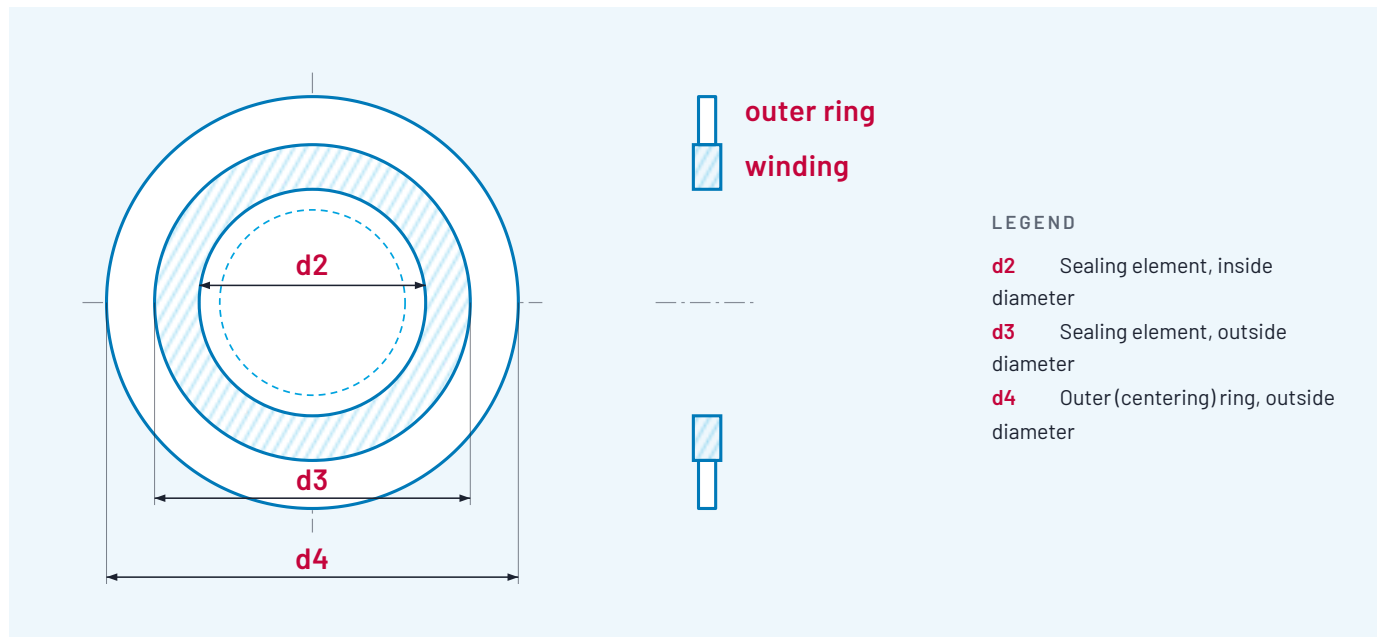


Spiral wound gaskets for ASME B16.5 flanges

ASME B16.20 · raised face · NPS ½ – 24 · class 150 – 2500



SEALING ELEMENT, IN MM

NPS	D3 – SEALING ELEMENT OD		D2 – SEALING ELEMENT ID PER CLASS						
	CL. 150-600	CL. 900-2500	150	300	400	600	900	1500	2500
1/2"	31.8	31.8	19.1	19.1	19.1	19.1	–	19.1	19.1
3/4"	39.6	39.6	25.4	25.4	25.4	25.4	–	25.4	25.4
1"	47.8	47.8	31.8	31.8	31.8	31.8	–	31.8	31.8
1-1/4"	60.5	60.5	47.8	47.8	47.8	47.8	–	39.6	39.6
1-1/2"	69.9	69.9	54.1	54.1	54.1	54.1	–	47.8	47.8
2"	85.9	85.9	69.9	69.9	69.9	69.9	–	58.7	58.7
2-1/2"	98.6	98.6	82.6	82.6	82.6	82.6	–	69.9	69.9
3"	120.7	120.7	101.6	101.6	101.6	101.6	95.3	92.2	92.2
4"	149.4	149.4	127	127	120.7	120.7	120.7	117.6	117.6
5"	177.8	177.8	155.7	155.7	147.6	147.6	147.6	143	143
6"	209.6	209.6	182.6	182.6	174.8	174.8	174.8	171.5	171.5
8"	263.7	257.3	233.4	233.4	225.6	225.6	222.3	215.9	215.9
10"	317.5	311.2	287.3	287.3	274.6	274.6	276.4	266.7	270
12"	374.7	368.3	339.9	339.9	327.2	327.2	323.9	323.9	317.5
14"	406.4	400.1	371.6	371.6	362	362	355.6	362	–
16"	463.6	457.2	422.4	422.4	412.8	412.8	412.8	406.4	–
18"	527.1	520.7	474.7	474.7	469.9	469.9	463.6	463.6	–
20"	577.9	571.5	525.5	525.5	520.7	520.7	520.7	514.4	–
24"	685.8	679.5	628.7	628.7	628.7	628.7	628.7	616	–

Classes. There are no class 400 flanges NPS ½–3 (use class 600) and no class 900 flanges NPS ½–2½ (use class 1500); class 2500 covers NPS ½–12. Cells in those ranges are shown as –.

Thickness. Sealing element 4.45 mm (0.175"). Inner ring inside diameters are not listed on this sheet.

Spiral wound gaskets for ASME B16.5 flanges

ASME B16.20 · outer ring

continued

OUTER (CENTERING) RING, OUTSIDE DIAMETER D4, IN MM

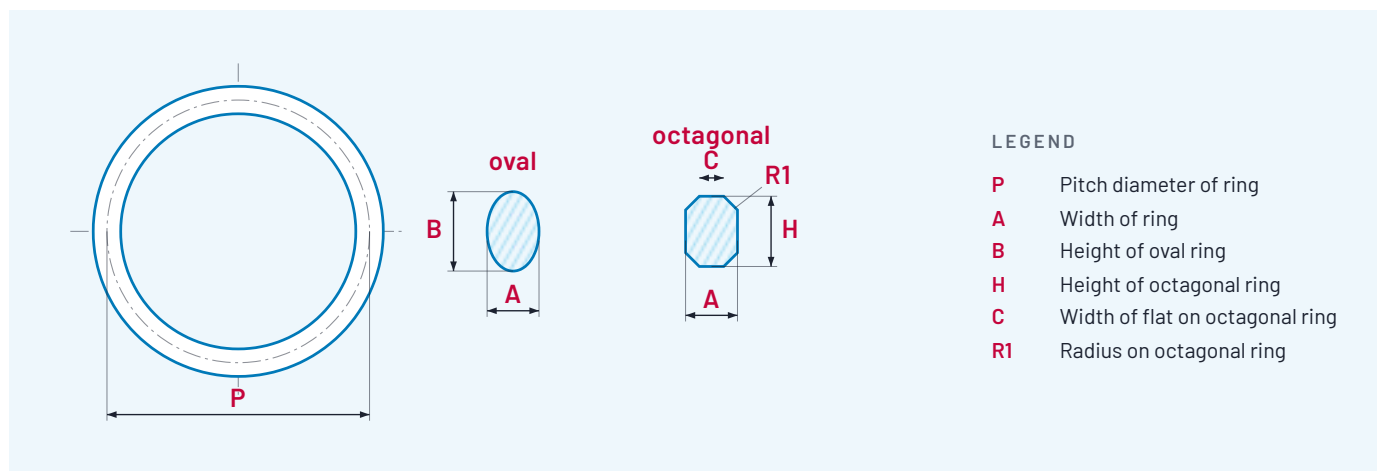
NPS	D4 – OUTER (CENTERING) RING OD PER CLASS						
	150	300	400	600	900	1500	2500
1/2"	47.8	54.1	–	54.1	–	63.5	69.9
3/4"	57.2	66.8	–	66.8	–	69.9	76.2
1"	66.8	73.2	–	73.2	–	79.5	85.9
1-1/4"	76.2	82.6	–	82.6	–	88.9	104.9
1-1/2"	85.9	95.3	–	95.3	–	98.6	117.6
2"	104.9	111.3	–	111.3	–	143	146.1
2-1/2"	124	130.3	–	130.3	–	165.1	168.4
3"	136.7	149.4	–	149.4	168.4	174.8	196.9
4"	174.8	181.1	177.8	193.8	206.5	209.6	235
5"	196.9	215.9	212.9	241.3	247.7	254	279.4
6"	222.3	251	247.7	266.7	289.1	282.7	317.5
8"	279.4	308.1	304.8	320.8	358.9	352.6	387.4
10"	339.9	362	358.9	400.1	435.1	435.1	476.3
12"	409.7	422.4	419.1	457.2	498.6	520.7	549.4
14"	450.9	485.9	482.6	492.3	520.7	577.9	–
16"	514.4	539.8	536.7	565.2	574.8	641.4	–
18"	549.4	596.9	593.9	612.9	638.3	704.9	–
20"	606.6	654.1	647.7	682.8	698.5	755.7	–
24"	717.6	774.7	768.4	790.7	838.2	901.7	–

– : no flange of this size and class in ASME B16.5.

Ring joint gaskets, type R

ASME B16.20 · oval and octagonal · R 11 – R 79 (ASME B16.5, NPS ½ – 24)

continued



RING DIMENSIONS, IN MM

RING	P	A	B	H	C	R1
R 11	34.14	6.35	11.2	9.7	4.32	1.5
R 12	39.7	7.95	14.2	12.7	5.23	1.5
R 13	42.88	7.95	14.2	12.7	5.23	1.5
R 14	44.45	7.95	14.2	12.7	5.23	1.5
R 15	47.63	7.95	14.2	12.7	5.23	1.5
R 16	50.8	7.95	14.2	12.7	5.23	1.5
R 17	57.15	7.95	14.2	12.7	5.23	1.5
R 18	60.33	7.95	14.2	12.7	5.23	1.5
R 19	65.1	7.95	14.2	12.7	5.23	1.5
R 20	68.28	7.95	14.2	12.7	5.23	1.5
R 21	72.24	11.13	17.5	16	7.75	1.5
R 22	82.55	7.95	14.2	12.7	5.23	1.5
R 23	82.55	11.13	17.5	16	7.75	1.5
R 24	95.25	11.13	17.5	16	7.75	1.5
R 25	101.6	7.95	14.2	12.7	5.23	1.5
R 26	101.6	11.13	17.5	16	7.75	1.5
R 27	107.95	11.13	17.5	16	7.75	1.5
R 28	111.13	12.7	19.1	17.5	8.66	1.5
R 29	114.3	7.95	14.2	12.7	5.23	1.5
R 30	117.48	11.13	17.5	16	7.75	1.5
R 31	123.83	11.13	17.5	16	7.75	1.5
R 32	127	12.7	19.1	17.5	8.66	1.5
R 33	131.78	7.95	14.2	12.7	5.23	1.5

RING	P	A	B	H	C	R1
R 34	131.78	11.13	17.5	16	7.75	1.5
R 35	136.53	11.13	17.5	16	7.75	1.5
R 36	149.23	7.95	14.2	12.7	5.23	1.5
R 37	149.23	11.13	17.5	16	7.75	1.5
R 38	157.18	15.88	22.4	20.6	10.49	1.5
R 39	161.93	11.13	17.5	16	7.75	1.5
R 40	171.45	7.95	14.2	12.7	5.23	1.5
R 41	180.98	11.13	17.5	16	7.75	1.5
R 42	190.5	19.05	25.4	23.9	12.32	1.5
R 43	193.68	7.95	14.2	12.7	5.23	1.5
R 44	193.68	11.13	17.5	16	7.75	1.5
R 45	211.15	11.13	17.5	16	7.75	1.5
R 46	211.15	12.7	19.1	17.5	8.66	1.5
R 47	228.6	19.05	25.4	23.9	12.32	1.5
R 48	247.65	7.95	14.2	12.7	5.23	1.5
R 49	269.88	11.13	17.5	16	7.75	1.5
R 50	269.88	15.88	22.4	20.6	10.49	1.5
R 51	279.4	22.23	28.7	26.9	14.81	1.5
R 52	304.8	7.95	14.2	12.7	5.23	1.5
R 53	323.85	11.13	17.5	16	7.75	1.5
R 54	323.85	15.88	22.4	20.6	10.49	1.5
R 55	342.9	28.58	36.6	35.1	19.81	2.3
R 56	381	7.95	14.2	12.7	5.23	1.5

RING	P	A	B	H	C	R1
R 57	381	11.13	17.5	16	7.75	1.5
R 58	381	22.23	28.7	26.9	14.81	1.5
R 59	396.88	7.95	14.2	12.7	5.23	1.5
R 60	406.4	31.75	39.6	38.1	22.33	2.3
R 61	419.1	11.13	17.5	16	7.75	1.5
R 62	419.1	15.88	22.4	20.6	10.49	1.5
R 63	419.1	25.4	33.3	31.8	17.3	2.3
R 64	454.03	7.95	14.2	12.7	5.23	1.5
R 65	469.9	11.13	17.5	16	7.75	1.5
R 66	469.9	15.88	22.4	20.6	10.49	1.5
R 67	469.9	28.58	36.6	35.1	19.81	2.3
R 68	517.53	7.95	14.2	12.7	5.23	1.5
R 69	533.4	11.13	17.5	16	7.75	1.5
R 70	533.4	19.05	25.4	23.9	12.32	1.5
R 71	533.4	28.58	36.6	35.1	19.81	2.3
R 72	558.8	7.95	14.2	12.7	5.23	1.5
R 73	584.2	12.7	19.1	17.5	8.66	1.5
R 74	584.2	19.05	25.4	23.9	12.32	1.5
R 75	584.2	31.75	39.6	38.1	22.33	2.3
R 76	673.1	7.95	14.2	12.7	5.23	1.5
R 77	692.15	15.88	22.4	20.6	10.49	1.5
R 78	692.15	25.4	33.3	31.8	17.3	2.3
R 79	692.15	34.93	44.5	41.4	24.82	2.3