

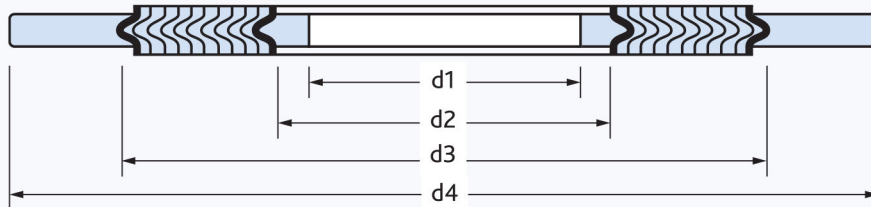
JIS flanges.

Nominal pressure 10 k and 16 to 20 k, measures in mm

Nominal width	d_1	d_2	d_3	d_4	Nominal width	d_1	d_2	d_3	d_4
	Nominal pressure 10 k					Nominal pressure 16 k to 20 k			
	Inner-ring	Sealing element		Centering ring		Inner-ring	Sealing element		Centering ring
	ϕ_l	ϕ_l	ϕ_A	ϕ_A		ϕ_l	ϕ_l	ϕ_A	ϕ_A
10	–	24	37	52	10	18	24	37	52
15	–	28	41	57	15	22	28	41	57
20	–	34	47	62	20	28	34	47	62
25	–	40	53	74	25	34	40	53	74
32	–	51	67	84	32	43	51	67	84
40	–	57	73	89	40	49	57	73	89
50	–	69	89	104	50	61	69	89	104
65	–	87	107	124	65	77	87	107	124
80	–	98	118	134	80	89	99	119	140
90	–	110	130	144	90	102	114	139	150
100	–	123	143	159	100	115	127	152	165
125	–	148	173	190	125	140	152	177	202
150	–	174	199	220	150	166	182	214	237
175	–	201	226	245	175	–	–	–	–
200	–	227	252	270	200	217	233	265	282
225	–	252	277	290	225	–	–	–	–
250	–	278	310	332	250	268	288	328	354
300	–	329	361	377	300	319	339	379	404
350	–	366	406	422	350	356	376	416	450
400	–	417	457	484	400	407	432	482	508
450	–	468	518	539	450	458	483	533	573
500	–	518	568	594	500	508	533	583	628
550	–	569	619	650	550	559	584	634	684
600	–	620	670	700	600	610	635	685	734

Dimensional Data :

Spiral Wound Gaskets ASME B16.20 (for RF flanges B16.5) | Class 150



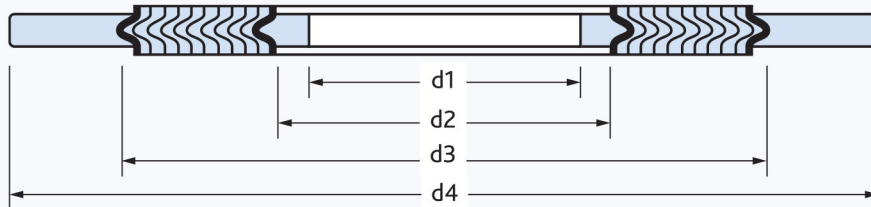
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside Dia (d1)	Inside Dia (d2)	Outside Dia (d3)	Outside Dia (d4)
1/2	14.2	19.1	31.8	47.8
3/4	20.6	25.4	39.6	57.2
1	26.9	31.8	47.8	66.8
1¼	38.1	47.8	60.5	76.2
1½	44.5	54.1	69.9	85.9
2	55.6	69.9	85.9	104.9
2½	66.5	82.6	98.6	124
3	81	101.6	120.7	136.7
4	106.4	127	149.4	174.8
5	131.8	155.7	177.8	196.9
6	157.2	182.6	209.6	222.3
8	215.9	233.4	263.7	279.4
10	268.2	287.3	317.5	339.9
12	317.5	339.9	374.7	409.7
14	349.3	371.6	406.4	450.9
16	400.1	422.4	463.6	514.4
18	449.3	474.7	527.1	549.4
20	500.1	525.5	577.9	606.6
24	603.3	628.7	685.8	717.6

NOTES:

- All dimensions are in millimeters
- Spiral Wound gasket with Inner - and Outer ring
- d1 = Inside diameter Inner ring.
- d2 = Inside diameter sealing element when no Inner ring is used.
- d3 = Outside diameter of sealing element.
- d4 = Outside diameter of Outer ring.
- Thickness of inner and outer ring: 2.97 mm - 3.33 mm.
- Thickness sealing element: 4.45 mm.
- Tolerance Outside diameter for NPS 1/2 through NPS 8 is ± 0.8 mm; for NPS 10 through NPS 24 tolerance is + 1.5 mm - 0.8 mm.
- There are no class 400 flanges NPS 1/2 thru NPS 3 (use Class 600), class 900 flanges NPS 1/2 thru NPS 2½ (use Class 1500), or class 2500 flanges NPS 14 or larger.

Dimensional Data :

Spiral Wound Gaskets ASME B16.20 (for RF flanges B16.5) | Class 300



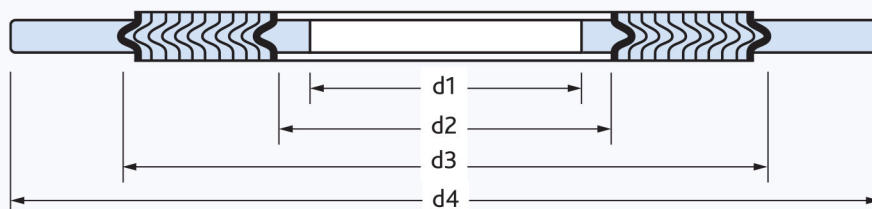
NPS	Inner Ring	Sealing Element		Outer Ring
	Inside Dia (d1)	Inside Dia (d2)	Outside Dia (d3)	Outside Dia (d4)
1/2	14.2	19.1	31.8	54.1
3/4	20.6	25.4	39.6	66.8
1	26.9	31.8	47.8	73.2
1¼	38.1	47.8	60.5	82.6
1½	44.5	54.1	69.9	95.3
2	55.6	69.9	85.9	111.3
2½	66.5	82.6	98.6	130.3
3	81	101.6	120.7	149.4
4	106.4	127	149.4	181.1
5	131.8	155.7	177.8	215.9
6	157.2	182.6	209.6	251
8	215.9	233.4	263.7	308.1
10	268.2	287.3	317.5	362
12	317.5	339.9	374.7	422.4
14	349.3	371.6	406.4	485.9
16	400.1	422.4	463.6	539.8
18	449.3	474.7	527.1	596.9
20	500.1	525.6	577.9	654.1
24	603.3	628.7	685.8	774.7

NOTES:

- All dimensions are in millimeters
- Spiral Wound gasket with Inner - and Outer ring
- d1 = Inside diameter Inner ring.
- d2 = Inside diameter sealing element when no Inner ring is used.
- d3 = Outside diameter of sealing element.
- d4 = Outside diameter of Outer ring.
- Thickness of inner and outer ring: 2.97 mm - 3.33 mm.
- Thickness sealing element: 4.45 mm.
- Tolerance Outside diameter for NPS 1/2 through NPS 8 is ± 0.8 mm; for NPS 10 through NPS 24 tolerance is + 1.5 mm - 0.8 mm.
- There are no class 400 flanges NPS 1/2 thru NPS 3 (use Class 600), class 900 flanges NPS 1/2 thru NPS 2½ (use Class 1500), or class 2500 flanges NPS 14 or larger.

Dimensional Data :

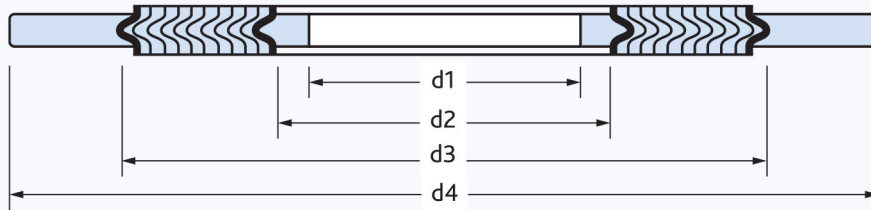
Spiral Wound Gaskets for Flanges acc. to DIN EN 1092-1



DN	ID - (d1)	ID - (d2)	OD PN10 - PN40 (d3)	OD PN64 - PN250 (d3)
10	18	24	36	36
15	24	30	42	42
20	27	33	47	47
25	34	40	54	54
32	44	50	66	66
40	51	57	73	73
50	59	69	87	87
65	73	83	103	105
80	87	97	117	121
100	114	124	144	148
125	140	150	172	176
150	168	178	200	204
175	189	199	225	231
200	220	230	256	262
250	269	279	307	315
300	319	329	357	365
350	365	375	405	413
400	416	426	458	466
500	520	530	566	574
600	615	630	666	674
700	715	730	770	778
800	815	830	874	882
900	915	930	974	982
1000	1015	1030	1078	1086

Dimensional Data :

Spiral Wound Gaskets for Flanges acc. to DIN EN 1092-1



DN	CENTRE RING OD (d4)							
	PN10	PN16	PN25	PN40	PN63	PN100	PN160	PN250
10	46	46	46	46	56	56	56	67
15	51	51	51	51	61	61	61	72
20	61	61	61	61	72	72	✘	✘
25	71	71	71	71	82	82	82	83
32	82	82	82	82	87	87	✘	✘
40	92	92	92	92	103	103	103	109
50	107	107	107	107	113	119	119	124
65	127	127	127	127	138	144	144	154
80	142	142	142	142	148	154	154	170
100	162	162	168	168	174	180	180	202
125	192	192	194	194	210	217	217	242
150	217	217	224	224	247	257	257	284
175	247	247	254	265	277	287	284	316
200	272	272	284	290	309	324	324	358
250	327	328	340	352	364	391	388	442
300	377	383	400	417	424	458	458	538
350	437	443	457	474	486	512	✘	✘
400	488	495	514	546	543	572	✘	✘
500	593	617	624	628	657	704	✘	✘
600	695	734	731	747	764	813	✘	✘
700	810	804	833	852	879	✘	✘	✘
800	917	911	942	974	988	✘	✘	✘
900	1017	1011	1042	1084	1108	✘	✘	✘
1000	1124	1128	1154	1194	1220	✘	✘	✘