

The background of the top half of the page features a large, high-contrast image of spiral wound gaskets. One gasket is in sharp focus in the foreground, showing its metallic, corrugated spiral structure. Behind it, another gasket is visible, slightly out of focus. The top right corner of the image is partially obscured by a yellow diagonal band with horizontal lines. The overall design is clean and industrial, emphasizing the product's form and material.

SPIRAL

Wound Gaskets



SPENTA GASKETS & SEAL

**MFGRS OF SPIRAL WOUND GASKETS ,
NON ASBESTOS GASKETS**

Overview

Spenta Gasket is offering a full range of Spiral Wound Gaskets. The objective is to make available in India, Spiral Wound Gaskets manufactured to the most exacting international standards such as API 601, ASME B16.20, ASME B16.47 A & B series, DIN, British Standards, JIS standards and others as specified.

Superior quality of Spenta Gasket Spiral Wound Gaskets meeting international standards, is achieved by means of imported computer controlled winding machines, which ensure total repeatability in such critical areas as:

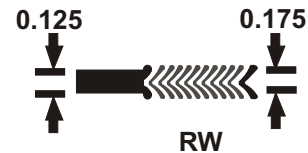
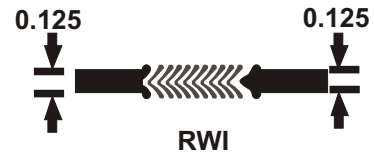
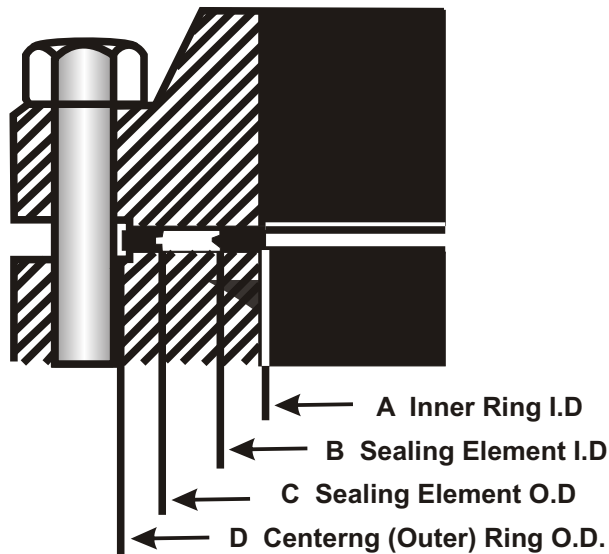
- Winding profile
- Tension of winding
- winding pressure
- Number of primary, secondary and tertiary windings
- Number of weld points
- Weld penetration

All of these are factors vital for control of manufacturing spiral wound gaskets for critical service applications.



Engineering Data

Styles RW, RWI Dimensions 1/4" to 24" Flanges
ASME B16.20 Gaskets for ASME B16.5 Flanges



Class 150

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/4*	—	0.50	0.88	1.75
1/ 2	0.56	0.75	1.25	1.88
3/4	0.81	1.00	1.56	2.25
1	1.06	1.25	1.88	2.63
1-1/4	1.50	1.88	2.38	3.00
1-1/2	1.75	2.13	2.75	3.38
2	2.19	2.75	3.38	4.13
2-1/2	2.62	3.25	3.88	4.88
3	3.19	4.00	4.75	5.38
3-1/2*	—	4.50	5.25	6.38
4	4.19	5.00	5.88	6.88
4-1/2*	—	5.50	6.50	7.00
5	5.19	6.13	7.00	7.75
6	6.19	7.19	8.25	8.75
8	8.50	9.19	10.38	11.00
10	10.56	11.31	12.50	13.38
12	12.50	13.38	14.75	16.13
14	13.75	14.63	16.00	17.75
16	15.75	16.63	18.25	20.25
18	17.69	18.69	20.75	21.63
20	19.69	20.69	22.75	23.88
24	23.75	24.75	27.00	28.25

* ASME B16.20 does not include dimensions for NPS 1/4, 3-1/2, or 4-1/2, or Class 400 flanges up to NPS 3 and Class 900 flanges up to NPS 2-1/2. Dimensions in inches.



Class 300

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/4*	—	0.50	0.88	1.75
1/2	0.56	0.75	1.25	2.13
3/4	0.81	1.00	1.56	2.63
1	1.06	1.25	1.88	2.88
1-1/4	1.50	1.88	2.38	3.25
1-1/2	1.75	2.13	2.75	3.75
2	2.19	2.75	3.38	4.38
2-1/2	2.62	3.25	3.88	5.13
3	3.19	4.00	4.75	5.88
3-1/2*	—	4.50	5.25	6.50
4	4.19	5.00	5.88	7.13
4-1/2*	—	5.50	6.50	7.75
5	5.19	6.13	7.00	8.50
6	6.19	7.19	8.25	9.88
8	8.50	9.19	10.38	12.13
10	10.56	11.31	12.50	14.25
12	12.50	13.38	14.75	16.63
14	13.75	14.63	16.00	19.13
16	15.75	16.63	18.25	21.25
18	17.69	18.69	20.75	23.50
20	19.69	20.69	22.75	25.75
24	23.75	24.75	27.00	30.50

Class 400

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/4*	—	0.50	0.88	1.75
1/2*	—	0.75	1.25	2.13
3/4*	—	1.00	1.56	2.63
1*	—	1.25	1.88	2.88
1-1/4*	—	1.88	2.38	3.25
1-1/2*	—	2.13	2.75	3.75
2*	—	2.75	3.38	4.38
2-1/2*	—	3.25	3.88	5.13
3*	—	4.00	4.75	5.88
3-1/2*	—	4.13	5.25	6.38
4	4.19	4.75	5.88	7.00
4-1/2*	—	5.31	6.50	7.63
5	5.19	5.81	7.00	8.38
6	6.19	6.88	8.25	9.75
8	8.25	8.88	10.38	12.00
10	10.25	10.81	12.50	14.13
12	12.50	12.88	14.75	16.50
14	13.75	14.25	16.00	19.00
16	15.75	16.25	18.25	21.13
18	17.69	18.50	20.75	23.38
20	19.69	20.50	22.75	25.50
24	23.75	24.75	27.00	30.25

Class 600

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/4*	—	0.50	0.88	1.75
1/2	0.56	0.75	1.25	2.13
3/4	0.81	1.00	1.56	2.63
1	1.06	1.25	1.88	2.88
1-1/4	1.50	1.88	2.38	3.25
1-1/2	1.75	2.13	2.75	3.75
2	2.19	2.75	3.38	4.38
2-1/2	2.62	3.25	3.88	5.13
3	3.19	4.00	4.75	5.88
3-1/2*	—	4.13	5.25	6.38
4	4.19	4.75	5.88	7.63
4-1/2*	—	5.31	6.50	8.25
5	5.19	5.81	7.00	9.50
6	6.19	6.88	8.25	10.50
8	8.25	8.88	10.38	12.63
10	10.25	10.81	12.50	15.75
12	12.50	12.88	14.75	18.00

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
14	13.75	14.25	16.00	19.38
16	15.75	16.25	18.25	22.25
18	17.69	18.50	20.75	24.13
20	19.69	20.50	22.75	26.88
24	23.75	24.75	27.00	31.13

* ASME B16.20 does not include dimensions for NPS 1/4, 3-1/2, or 4-1/2, or Class 400 flanges up to NPS 3 and Class 900 flanges up to NPS 2-1/2. Dimensions in inches.

Class 900

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/2*	—	0.75	1.25	2.50
3/4*	—	1.00	1.56	2.75
1*	—	1.25	1.88	3.13
1-1/4*	—	1.56	2.38	3.50
1-1/2*	—	1.88	2.75	3.88
2*	—	2.31	3.38	5.63
2-1/2*	—	2.75	3.88	6.50
3	3.19	3.75	4.75	6.63
3-1/2*	—	4.13	5.25	7.50
4	4.19	4.75	5.88	8.13
4-1/2*	—	5.31	6.50	9.38
5	5.19	5.81	7.00	9.75
6	6.19	6.88	8.25	11.38
8	7.75	8.75	10.13	14.13
10	9.69	10.88	12.25	17.13
12	11.50	12.75	14.50	19.63
14	12.63	14.00	15.75	20.50
16	14.75	16.25	18.00	22.63
18	16.75	18.25	20.50	25.13
20	19.00	20.50	22.50	27.50
24	23.25	24.75	26.75	33.00

Class 1500

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/2	0.56	0.75	1.25	2.50
3/4	0.81	1.00	1.56	2.75
1	1.06	1.25	1.88	3.13
1-1/4	1.31	1.56	2.38	3.50
1-1/2	1.63	1.88	2.75	3.88
2	2.06	2.31	3.38	5.63
2-1/2	2.50	2.75	3.88	6.50
3	3.19	3.63	4.75	6.88
3-1/2*	—	4.13	5.25	7.38
4	4.19	4.63	5.88	8.25
4-1/2*	—	5.31	6.50	9.13
5	5.19	5.63	7.00	10.00
6	6.19	6.75	8.25	11.13
8	7.75	8.50	10.13	13.88
10	9.69	10.50	12.25	17.13
12	11.50	12.75	14.50	20.50
14	12.63	14.25	15.75	22.75
16	14.50	16.00	18.00	25.25
18	16.75	18.25	20.50	27.75
20	18.75	20.25	22.50	29.75
24	22.75	24.25	26.75	35.50

Class 2500

Size NPS	Inner Ring	Sealing Element		Outer Ring
	Inside (A) Diameter	Inside (B) Diameter	Outside © Diameter	Outside (D) Diameter
1/2	0.56	0.75	1.25	2.75
3/4	0.81	1.00	1.56	3.00
1	1.06	1.25	1.88	3.38
1-1/4	1.31	1.56	2.38	4.13
1-1/2	1.63	1.88	2.75	4.63
2	2.06	2.31	3.38	5.75
2-1/2	2.50	2.75	3.88	6.63
3	3.19	3.63	4.75	7.75
4	4.19	4.63	5.88	9.25
5	5.19	5.63	7.00	11.00
6	6.19	6.75	8.25	12.50
8	7.75	8.50	10.13	15.25
10	9.69	10.63	12.25	18.75
12	11.50	12.50	14.50	21.63

* ASME B16.20 does not include dimensions for NPS 1/4, 3-1/2, or 4-1/2, or Class 400 flanges up to NPS 3 and Class 900 flanges up to NPS 2-1/2. Dimensions in inches.

Notes:

1. The inner ring thickness shall be 0.117-0.131 inches.
2. For sizes NPS 1-1/4 thru NPS 3, the inside diameter tolerance is ± 0.03 inches, for larger sizes, the inside diameter tolerance is ± 0.06 inches.
3. There are no Class 400 flanges NPS 1/2 thru NPS 3 (use Class 600), Class 900 flanges NPS 1/2 thru NPS 2-1/2 (use Class 1500), or Class 2500 flanges NPS 14 or larger.
4. The inner ring inside diameters shown for NPS 1-1/4 thru 2-1/2 in Class 1500 and 2500 will produce inner ring widths of 0.12 inches, a practical minimum for production purposes.
5. Inner rings are required for Class 900, NPS 24 gaskets, Class 1500 NPS 12 thru NPS 24 gaskets, and Class 2500 NPS 4 thru NPS 12 gaskets.



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