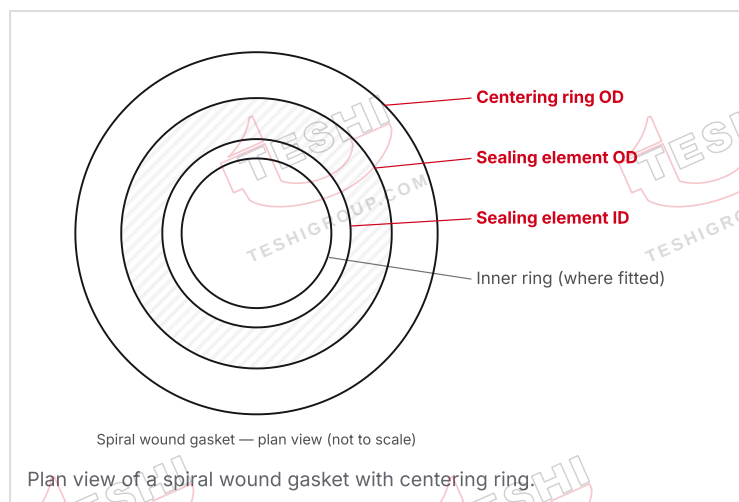


DIMENSIONAL STANDARD · ASME B16.20

ASME B16.20 Spiral Wound Gasket Dimensions

Sealing element and centering ring diameters of spiral wound gaskets for ASME B16.5 flanges.

Dimensions of **ASME B16.20 spiral wound gaskets** for ASME B16.5 flanges in millimetres: inside and outside diameter of the sealing element (winding) and outside diameter of the centering ring, by flange class.



Sealing element inside diameter (mm)

NPS in	DN	Class 150	Class 300	Class 600	Class 900	Class 1500	Class 2500
½"	15	19.1	19.1	19.1	19.1	19.1	19.1
¾"	20	25.4	25.4	25.4	25.4	25.4	25.4
1"	25	31.8	31.8	31.8	31.8	31.8	31.8
1¼"	32	47.8	47.8	47.8	39.6	39.6	39.6
1½"	40	54.1	54.1	54.1	47.8	47.8	47.8
2"	50	69.9	69.9	69.9	58.7	58.7	58.7
2½"	65	82.6	82.6	82.6	69.9	69.9	69.9
3"	80	101.6	101.6	101.6	95.3	92.2	92.2
4"	100	127.0	127.0	120.7	120.7	117.6	117.6
5"	125	155.7	155.7	147.6	147.6	143.0	143.0
6"	150	182.6	182.6	174.8	174.8	171.5	171.5
8"	200	233.4	233.4	225.6	222.3	215.9	215.9
10"	250	287.3	287.3	274.6	276.4	266.7	270.0
12"	300	339.9	339.9	327.2	323.9	323.9	317.5
14"	350	371.6	371.6	362.0	355.6	362.0	—
16"	400	422.4	422.4	412.8	412.8	406.4	—
18"	450	474.7	474.7	469.9	463.6	463.6	—
20"	500	525.5	525.5	520.7	520.7	514.4	—
24"	600	628.7	628.7	628.7	628.7	616.0	—

Sealing element outside diameter (mm)

NPS in	DN	Class 150–600	Class 900–2500
½"	15	31.8	31.8
¾"	20	39.6	39.6
1"	25	47.8	47.8
1¼"	32	60.5	60.5
1½"	40	69.9	69.9
2"	50	85.9	85.9
2½"	65	98.6	98.6
3"	80	120.7	120.7
4"	100	149.4	149.4
5"	125	177.8	177.8
6"	150	209.6	209.6
8"	200	263.7	257.3
10"	250	317.5	311.2
12"	300	374.7	368.3
14"	350	406.4	400.1
16"	400	463.6	457.2
18"	450	527.1	520.7
20"	500	577.9	571.5
24"	600	685.8	679.5

Centering ring outside diameter (mm)

NPS in	DN	Class 150	Class 300	Class 600	Class 900	Class 1500	Class 2500
½"	15	47.8	54.1	54.1	63.5	63.5	69.9
¾"	20	57.2	66.8	66.8	69.9	69.9	76.2
1"	25	66.8	73.2	73.2	79.5	79.5	85.9
1¼"	32	76.2	82.6	82.6	88.9	88.9	104.9
1½"	40	85.9	95.3	95.3	98.6	98.6	117.6
2"	50	104.9	111.3	111.3	143.0	143.0	146.1
2½"	65	124.0	130.3	130.3	165.1	165.1	168.4
3"	80	136.7	149.4	149.4	168.4	174.8	196.9
4"	100	174.8	181.1	193.8	206.5	209.6	235.0
5"	125	196.9	215.9	241.3	247.7	254.0	279.4
6"	150	222.3	251.0	266.7	289.1	282.7	317.5
8"	200	279.4	308.1	320.8	358.9	352.6	387.4
10"	250	339.9	362.0	400.1	435.1	435.1	476.3
12"	300	409.7	422.4	457.2	498.6	520.7	549.4
14"	350	450.9	485.9	492.3	520.7	577.9	—
16"	400	514.4	539.8	565.2	574.8	641.4	—

NPS in	DN	Class 150	Class 300	Class 600	Class 900	Class 1500	Class 2500
18"	450	549.4	596.9	612.9	638.3	704.9	—
20"	500	606.6	654.1	682.8	698.5	755.7	—
24"	600	717.6	774.7	790.7	838.2	901.7	—

Notes

- Dimensions are in millimetres unless stated otherwise.
- For Class 900, NPS ½" to 2½", the Class 1500 gasket is used.
- Class 2500 is listed to NPS 12" only.
- Inner ring inside diameters have been revised between editions of ASME B16.20 and are not tabulated here; ask for the value to the edition your project specifies.
- Nominal sealing element thickness is 4.5 mm (0.175").

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

Teshi Group

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+91 78900 09110

sales@teshigroup.com
www.teshigroup.com