

Full Face Gaskets

Dimensions



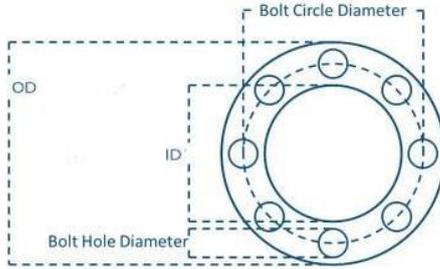
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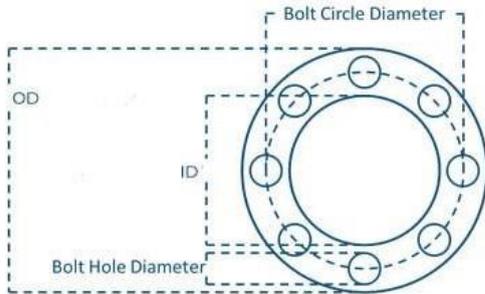


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Check Class 150 and 300# Ff Gasket Dimensions as per ASME B16.21 standards

Full face gaskets dimensions

NOMINAL PIPE SIZE		ID	OD	NO OF HOLES	HOLE DIAMETER	BCD
DN	INCH					
15	½	21	89	4	5/8	60.3
20	¾	27	98	4	5/8	69.9
25	1	33	108	4	5/8	79.4
32	1 1/4	42	117	4	5/8	88.9
40	1 1/2	48	127	4	5/8	98.4
50	2	60	152	4	¾	120.7
65	2 1/2	73	178	4	¾	139.7
80	3	89	191	4	¾	152.4
90	3 1/2	102	216	8	¾	177.8
100	4	114	229	8	¾	190.5



PN16 Full Face Gasket Size Chart available from 1/2" to 24"

NOMINAL PIPE SIZE		ID	OD	NO OF HOLES	HOLE DIAMETER	BCD
DN	INCH					
125	5	141	254	8	7/8	215.9
150	6	168	279	8	7/8	241.3
200	8	219	343	8	7/8	298.5
250	10	273	406	12	1	362
300	12	324	483	12	1	431.8
350	14	356	533	12	1 1/8	476.3
400	16	406	597	16	1 1/8	539.8
450	18	457	635	16	1 1/8	577.9
500	20	508	699	20	1 1/8	635
600	24	610	813	20	1 3/8	749.3

What are ID and OD in full face gaskets dimensions?

These two metrics are critical in measuring the dimensions of the gasket. The OD refers to the outer diameter of the full-face gasket and is equivalent to that of the flange. The ff gasket dimensions are such that it covers the entire face with no space for dirt or dust particles to enter.



The ID, on the other hand, refers to the inner diameter. It has to be the same as the pipe bore. Both these measurements let you select the suitable component for your requirement. These gaskets generally conform to the standards laid down by ASME B31.1. You can find the corresponding metrics in a full face gasket size chart.

Full face flange gasket suitable for the -20 to 170 () °F temperature range

How can you measure full face gasket sizes?

While measuring the size, you must ascertain that the gasket has the same outer diameter as the flange. You can find ff gaskets dimensions in charts supplied by the manufacturer. When you select a component, you have to specify the ID to be the same as the pipe bore. You can measure the ID and the OD with calipers or a measuring tape.

A face gasket consists of holes to secure the bolts for convenient installation. You must mention the number of bolt holes and the diameter of the bolt circle, i.e., the portion with the bolt centers. You must specify the spacing as per ANSI standard full face gasket dimensions.

For measuring the bolt circle diameter, select two diametrically opposite holes. Then, measure the length between the outer and the inner edges of the first and second holes. You can refer to full face gasket ASME b16.21 standards for verifying the measurements.

PTFE Full Face Gasket used in electrical applications

Which flanges require a FF gasket?

When you use a full face gasket, it covers the whole face of the flange. An ff type gasket gets used with flat-face flanges. Here, the surfaces and the bolting circle are in the same plane. These components ensure that dirt cannot enter the bolting regions. They often get employed in applications where casting gets used to create the mating.

Many industries use pn16 full face gasket dimensions in settings that require quick installation. As these gaskets have bolt holes, it is convenient to align them correctly.

Unlike a ring gasket, full-face ones cannot reach high compressive loads. They get regularly



used in low-pressure environments. Critical applications avoid relying on these components. Another drawback is that you must disassemble the joint fully to install full-face gaskets.

Can you use a full face spiral wound gasket on a raised face flange?

No, we do not recommend you use a full face gasket on a raised face flange. Let us assume you want to use an ff spiral wound gasket to bolt a cast iron flange to a raised carbon steel one. Before proceeding, the raised face of the flange has to get removed. Otherwise, the flange can get thrust into the gap created by the raised face. You will be unable to ensure a secure installation with a full face spiral wound gasket.

Raised face flanges rely on ring-type gaskets instead of full-face ones. The latter is flat, which renders them unsuitable for bolting to a raised flange.

1/16" Full Face Gasket in 150# class available for \$24.55 in UAE

Difference between 150# full face gasket and 300# full face gasket dimensions

You can find full face gaskets in various dimensions based on the application. Two widely used types are 150# and 300#. Here, the metric refers to the pressure class of the gasket. With 150# full face gasket dimensions, you can produce a dependable seal under a load of up to 150 lbs of pressure. It gets utilized in multiple general service applications.

Likewise, 300# full face gasket dimensions are perfect for loads up to 300 lbs. You will find 300# gaskets in more demanding conditions and fluctuations. It displays reliability and a leak-tight seal for different flanges.

The overall rating depends on the ff gasket material used for manufacture and the operating temperature. You may select the most suitable gasket based on its pressure class, with the dimensions adhering to ANSI B.16.21 standards.

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