INVERTED Type

the best choice for higher burst ratings

- Sizes 1/2" thru 24" diameters
- Designed to fit ASME B16.5 Class 150 and 300 flanges
- Burst ratings 0.25 to 1,000 psig or higher
- 0% manufacturing range
- Flat surface of the disk contacts the process media
- Operating pressures to 90% of the disk's marked burst pressure (Contact ZOOK for operating ratio for burst pressures below 40 psig)

• Temperature ratings –290°F to +700°F (–179°C to +371°C) Maximum temperature rating without insulation is 430°F (221°C) or 700°F (371°C) with insulation. Contact ZOOK for higher temperature ratings. The specified temperature shall be at the disk location at the time when the disk is expected to rupture

• Stocked INVERTED Disks, ready for immediate shipment. Sizes: 1", 1-1/2", 2", 3" to fit ASME B16.5 Class 300 flanges Burst Ratings: 175, 200, 225, 250, 275, 300 psig @ 72°F (22°C)

Note: Sizes 3" through 8"ASME B16.5 Class 150 flanges with burst ratings 125, 150 psig @ 72°F (22°C) are stocked in INVERTED type

- ASME B16.5 Class 300 disks are armored
- ASME UD marking available

Certified Flow Resistance Factor (K_{rgl})

Туре	K _{rgl}
INVERTED	0.64

psig) num (371°C) The ASME B16.5 Flange Gasket Gasket Gasket

Specifications – ASME B16.5 Class 150

Nominal Disk Sizes	Minimum net flow area (MNFA) sq. inches	Disk Dimensions			Burst Ratings		
		Diameter		Thickness*		psig	
		I.D.	O.D.	Standard Disk	Insulated Unit	Min.	Max.
1/2"	0.30	0.622"	1-3/4"	5/8"	1-3/4"	25	above 1000
3/4"	0.53	0.824"	2-1/8"	5/8"	1-3/4"	25	above 1000
1"	0.78	1"	2-1/2"	7/8"	2-1/4"	10	above 1000
1-1/2"	1.76	1-1/2"	3-1/4"	7/8"	2-1/4"	7	1000
2"	3.14	2"	4"	7/8"	2-1/4"	3	300
3"	7.06	3″	5-1/4"	7/8"	2-1/4"	2	300
4"	12.56	4"	6-3/4"	7/8"	2-1/4"	1.5	250
6"	28.27	6"	8-5/8"	7/8"	2-1/4"	1	170
8"	50.02	8″	10-7/8"	1-1/8"	2-3/4"	0.50	170
10"	78.53	10"	13-1/4"	1-1/2"	3-3/8"	0.25	150
12"	113.09	12"	16"	2"	4-3/8"	0.25	150
14"	137.88	13-1/4"	17-5/8"	2-1/4"	4-7/8"	0.25	150
16"	182.65	15-1/4"	20-1/8"	2-1/2"	5-3/8"	0.25	150
18"	233.70	17-1/4"	21-1/2"	2-3/4"	5-7/8"	0.25	below 150
20"	291.03	19-1/4"	23-3/4"	3"	6-3/8"	0.25	below 150
24"	424.55	23-1/4"	28-1/8"	3"	6-3/8"	0.25	below 150

Specifications - ASME B16.5 Class 300

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1/2"	0.30	0.622"	2"	5/8"	1-3/4"	25	above 1000	
3/4"	0.53	0.824"	2-1/2"	5/8"	1-3/4"	25	above 1000	
1"	0.78	1"	2-3/4"	1″	2-1/2"	10	above 1000	
1-1/2"	1.76	1-1/2"	3-5/8"	1″	2-1/2"	7	1000	
2"	3.14	2"	4-1/4"	1"	2-1/2"	3	500	
3″	7.06	3″	5-3/4"	1-1/4"	3"	2	500	
4"	12.56	4"	7"	1-1/4"	3"	1.5	500	
6"	28.27	6"	9-3/4"	1-3/4"	4"	1	450	
8″	50.02	8″	12"	2-1/4"	5"	0.50	450	

*Standard disk thickness does not include gaskets. Insulated unit thickness includes all gaskets

Note: Maximum pressure rating of ASME B16.5 Class 150 flanges is 290 psig @ 100°F (38°C).

ASME B16.5 Class 300 flanges is 750 psig @ 100°F (38°C). The maximum pressure rating is lower at higher temperatures. Reference ASME/ANSI B16.5