

### Features

- SD Disks are an extension of ZOOK's impervious Graphite Rupture Disk Design
- Provides over-pressure protection in sanitary piping system
- Ideal for high purity and corrosion service
- Rugged design
- FEP lined to help resist product buildup
- Full bore opening upon rupture
- FDA compliant when FEP liner attached
- Nominal I.D. equals the fitting size
- Self-Supporting under full vacuum at set pressures of 25 psig (1.72 barg) or higher
- Excels in liquid, gas, or two-phase applications
- 0% manufacturing range is standard
- Standard operating ratio of 90% of the marked rating on the disk tag. Higher operating ratio may be available upon request. Contact ZOOK for operating ratio on pressures below 40 psig (2.76 barg)
- Installs using industry standard Tri-clamp®/Tri-clover® fitting
- Wide body clamp required (Stocked by ZOOK)
- Standard gasket material: Black Buna-N
- Sizes 1" (25mm) through 4" (100mm)
- ASME (UD), and PED (CE) compliance available (Third party witness testing is also available if required)

### Applications

Food processing, dairy, breweries, pharmaceutical, distilling, baking, canning, cosmetics, biotechnology, and petrochemical industries.

### Optional Features

- Burst indication (Ferrule mounted)
- Torque-rite® sanitary clamp nut (eliminates the problems associated with over/under tightening)

### Specifications

Disk Dimensions - inches (mm)			Burst Pressures psig (barg) @72°F (22°C)	
I.D. (Nominal)	O.D.	Thk.	Minimum	Maximum
1"	1.984	0.250	10	50
25 mm	50.3	6.3	(0.690)	(3.447)
1-1/2"	1.984	0.250	7	50
40 mm	50.3	6.3	(0.483)	(3.447)
2"	2.516	0.250	3	50
50 mm	63.9	6.3	(0.207)	(3.447)
2-1/2"	3.047	0.250	2	50
65 mm	77.3	6.3	(0.138)	(3.447)
3"	3.579	0.250	2	50
80 mm	90.9	6.3	(0.138)	(3.447)
4"	4.682	0.250	1.5	50
100 mm	118.9	6.3	(0.104)	(3.447)

Standard burst tolerances apply

**Notes:**

- Max disk temperature is dependent on gasket material selected
- \* Alternate sizes, disk materials, gasket materials and lower burst ratings may be available on request. Contact ZOOK for more information.
- Maximum disk pressure based on clamp rating

