

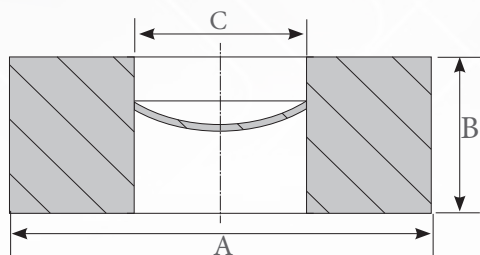


MRB™ High Pressure Integral Reverse Buckling Disk

With its one piece leak-tight design, the MRB (Machine Reverse Buckling Disk) is ideal for high pressure applications.

Features

- Standard sizes: 1/4 inch (6 mm) and up
- Pressure ratings available up to 70,000 psig (4,800 barg)
- Opens full bore with no flow restrictions
- Design assures long service life with a very high resistance to fatigue
- Operates up to 90% of disk pressure rating
- Benefits
- Accurate and reliable burst ratings
- Superior performance in cycling service
- Withstands full vacuum
- Standard and custom holder designs are available
- Non-torque sensitive



Sample Applications

- Low volume, starting at 1 unit
- High volume, automated manufacturing
- Welded assemblies with optional ASME and CE certification
- Disk Cassettes

Nominal Size		A	A	B	B	C	C
in	mm	in	mm	in	mm	in	mm
3/8	9	1.0	25	0.4	10	0.3	8
1/2	13	1.0	25	0.4	10	0.5	13
5/8	16	1.3	32	0.4	10	0.6	16
3/4	19	1.5	38	0.5	13	0.8	19
1	25	2.0	51	0.6	16	1.0	25

MRB Disk Burst Pressure Capability at 72°F (22°C) for Gas or Vapor Service. Other dimensions available upon request.

Disk Size		Hastelloy® C-276				Inconel® 600			
in	mm	psig		barg		psig		barg	
		min	max	min	max	min	max	min	max
3/8	9	4,300	70,000	296	4,826	4,500	70,000	310	4,826
1/2	13	3,800	48,000	262	3,310	4,000	54,000	275	3,720
5/8	16	3,500	46,000	241	3,170	3,500	52,000	241	3,590
3/4	19	2,900	44,000	200	3,030	3,100	49,000	213	3,380
1	24	2,500	39,000	172	2,690	2,500	43,000	172	2,970

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