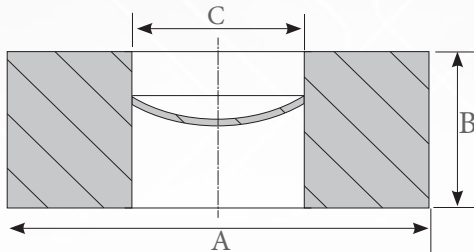




MRB™ High Pressure Integral Reverse Buckling Disk

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



Features

- Standard sizes: 3/8 inch (9 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
- Non-torque sensitive
- Operates up to 90% of disk pressure rating
- 90% operating ratio
- Standard burst tolerance +/- 5 %.
- Gas or liquid service capability (specify)
- Designed to adapt to customers' unique applications
- Manufacturing range: Available with either 0%, 2%, 5%, or 10% manufacturing range

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

Nominal Size		A		B		C	
in	mm	in	mm	in	mm	in	mm
3/8	9	0.965	24.5	0.375	10	0.375	8
1/2	13	1.0	25.4	0.375	10	0.50	13
5/8	16	1.25	31.75	0.375	10	0.625	16
3/4	19	1.50	38.1	0.50	13	0.750	19
1	25	2.0	51	0.625	16	1.0	25
1.5	40	2.75	70	1.0	25.4	1.50	38.1
2	50	3.50	89	1.25	31.75	2.0	51
3	80	4.75	121	1.75	44.45	3.0	76.2
4	100	6.0	152.4	2.5	63.5	4.0	101.6

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	25	2,500	39,000	172	2,690	2,500	43,000	172	2,970
1.5	40	2,100	31,000	145	2,137	1,900	35,000	131	2,413
2	50	1,900	25,000	131	1,724	1,800	29,000	124	1,999
3	80	1,600	18,000	110	1,241	1,500	21,000	103	1,448
4	100	1,500	14,000	103	965	1,500	16,000	103	1,448

Recommended Maximum Temperature for Hastelloy® C-276 and Inconel® 600 is 900°F (482°C) Note: Hastelloy® is a trademark of Haynes International Inc. Inconel® is a registered trademarks of Special Metals Corporation and Its subsidiaries.

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