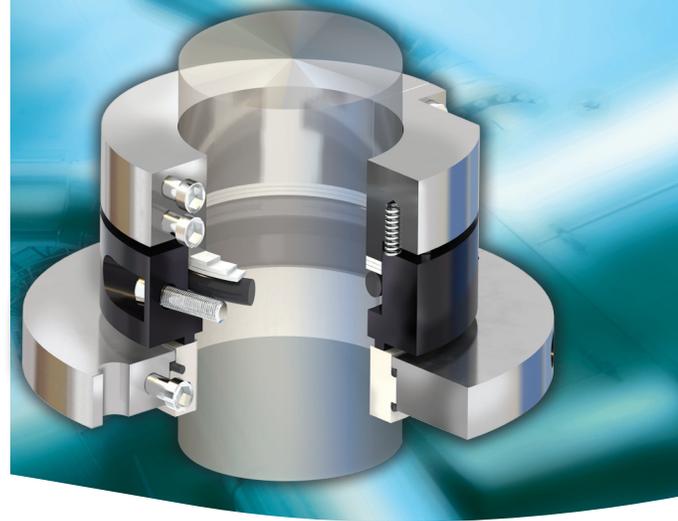


Split seal for mixers, reactors, and other vessels

On older equipment, or where compression packing is being changed out for a mechanical seal, shaft wobble and eccentricities can be severe. The MSS seal was designed to work in these tough conditions where stuffing box face run-out, bore run-out, and OD run-out are beyond the capabilities of seals designed primarily for centrifugal pumps.



Features and Benefits

- Handles shaft run-out up to 0.150 inch TIR.
- The outside seal arrangement of the MSS makes installation, inspection and maintenance simple. Installation time is typically less than 45 minutes - with ten simple steps and common hand tools.
- Nonmetallic wetted parts - the only components of the MSS seal which contact process fluids (or gasses) are the seal faces, insert mounting and shaft packing O-rings.
- Fits in tight spaces with no equipment tear down - can be installed in cramped stuffing box areas where the bearing housing, gear box and/or coupling create obstructions.
- Can be run dry or wet - the self-lubricating faces and a design that dissipates heat from the seal faces, make dry-running the MSS a practical alternative to packings and liquid-running seals on top entry mixers. The MSS can run with wet faces and is a good choice for side entry reactors and paper stock chests.
- Withstands pressure reversals - the MSS design compensates for pressure reversals and helps to ensure product purity.

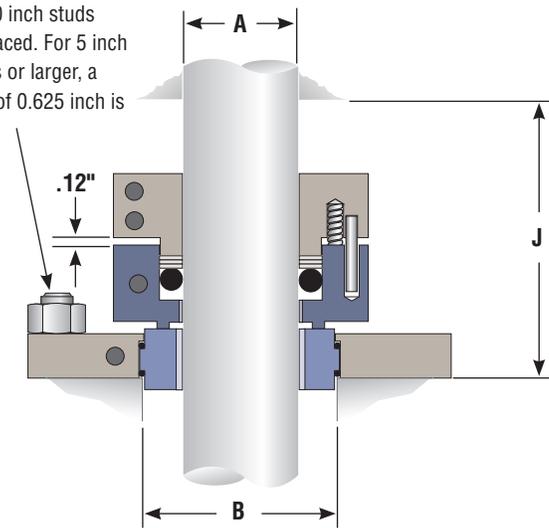
Materials of Construction

Metal Components	316 Stainless Steel
Rotating Face	Carbon
Stationary Face	Ceramic (tungsten carbide optional)
Gasketing	Fluoroelastomer (EPR optional)

Operating Parameters

Pressure		
	Dry	Vacuum to 5 bar (75 psi)
	Wet	up to 7 bar (100 psi)
Speeds		
	Dry	up to 350 rpm
	Wet	up to 1740 rpm
Shaft run-out		up to 4mm (0.150 inch) TIR (sum total of run-out, eccentricity, and deflection)
Shaft Sizes		25 to 305 mm (1.000 to 12.000 inch)

Two 0.500 inch studs evenly spaced. For 5 inch dia. shafts or larger, a stud size of 0.625 inch is required.



Note: Dimension J reflects the minimum distance required for the assembled seal plus additional axial space required for seal assembly.

Dimensional Data in inches

Shaft Size ± 0.001" (Dimension A)	Standard Bore Diameter ±0.005" (Dimension B)	Gland Bolt Circle Diameter	Distance to First Obstruction (Dimension J)
1.000	2.250	4.75	4.44
1.250	2.500	5.00	4.44
1.500	2.750	5.25	4.44
1.750	3.000	5.50	4.44
2.000	3.250	5.75	4.44
2.250	3.500	6.00	4.44
2.500	3.750	6.25	4.44
2.750	4.000	6.50	4.44
3.000	4.250	6.75	4.44
3.250	4.500	7.00	4.44
3.500	4.750	7.25	4.44
3.750	5.000	7.50	4.44
4.000	5.250	7.75	4.44
4.250	5.500	8.00	4.44
4.500	5.750	8.25	4.44
4.750	6.000	8.50	4.44
5.000	6.500	9.50	5.00
5.250	6.750	9.75	5.00
5.500	7.000	10.00	5.00
5.750	7.250	10.25	5.00
6.000	7.500	10.50	5.00

The above is a partial listing. Additional sizes up to 12.000" and metric sizes are also available.

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