

Centritec Seals™

PROVEN VALUE

- Reduce equipment outages
- Lower maintenance costs
- Save energy



Centritec Seal Cutaway

BENEFITS

- Minimal lubrication leakage
- No wearing parts
- Unaffected by vibration and axial movement in excess of .060 inches
- Operating speeds up to 50,000 RPM
- Reduces heat build-up
- Eliminates internal moisture
- Operates in -65°F to 650°F
- Self-venting
- Operates in liquids, greases and in many gases
- Available in steel, brass & polymers
- Custom designed for your application
- Easy to install
- Vertical or horizontal usage

Centrifugal Pressure Driven Non-Contact Seal

Centritec Seals™ are the world's only centrifugal, pressure-driven, non-contact seals. This patented design prevents lubricant leakage by using centrifugal pressure to pump the lubricating fluid back into the seal's rotating containment chamber. This continuous pressure creates an impenetrable barrier and eliminates seepage.

When two seals are installed back-to-back, not only are lubricants kept in, but containments – such as snow, dirt, water and dust – are kept out. A single Centritec Seal can also be installed with a contact lip-type seal to keep the contact lip free of contaminants.

The seal's design allows air to circulate so the seal “breathes”, eliminating moisture build-up in the housing while also lowering lubricant operating temperatures. Even with their precise operations, Centritec Seals are unaffected by vibration and axial movement as large as .060-inches.

Designed for horizontal and vertical installation, and high speed, high temperature environments, Centritec Seals are ideal for a range of applications. Their innovative design reduces maintenance and reduces equipment downtime, saving time and money.



www.centritecseals.com

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Centritec Seals™ – A Better Solution

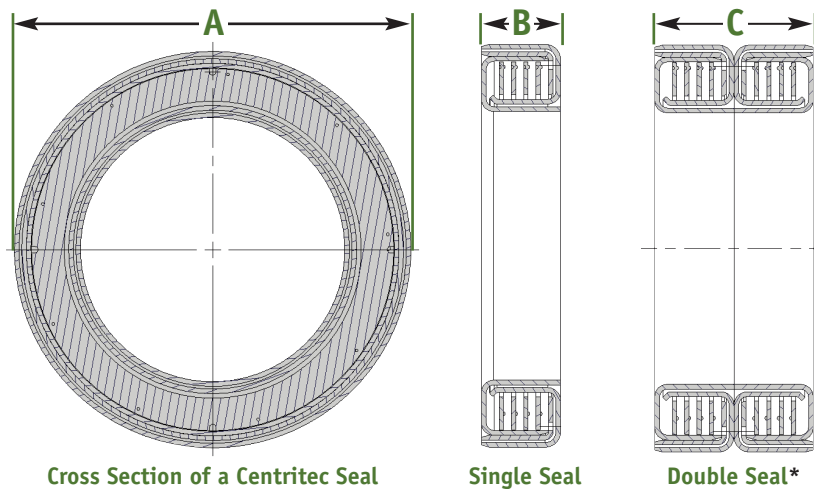
A centrifugal pressure seal can generate significant lubricating fluid return pressure, based on the operating speed. The pressurized lubricant can be pumped directly to the bearings or back into the fluid housing, which uniquely allows the seal to function in both horizontal and vertically mounted applications. This patented design reduces shaft bearing failures that can result from improper lubrication or environmental contamination, avoiding costly interruptions to business and maintenance expenses.

The Centritec Seal design can be easily incorporated into new products, and can also be custom engineered for retrofit applications. With a unique design and proven performance, Centritec Seals can be utilized in an array of applications including: conveyors, gearboxes, heavy equipment, outside industrial fans, rolling mills, spindle drives, train trucks and turbine generators.

Dimensional Information

Centritec Seal		Dimensions - Inches (mm)		
Model	Shaft OD	A (OD)	B (Width)	C (Width)
NC-X-25	1.0" (25.4)	2.0" (50.8)	0.59" (15)	1.19" (30)
NC-X-50	2.0" (50.8)	3.34" (85)	0.78" (20)	1.58" (40)
NC-X-75	3.0" (76.2)	4.53" (115)	0.78" (20)	1.58" (40)
NC-X-100	4.0" (101.6)	5.9" (150)	1.0" (25.4)	2.0" (50.8)
NC-X-150	6.0" (152.4)	8.86" (225)	1.0" (25.4)	2.0" (50.8)

Note: For "X" use "S" for single sided seal and "D" for double sided seal



*Centritec Seals -
A simple change
with big results.*

* When outside environmental issues are present, two single seals can be installed back-to-back for full seal coverage.



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