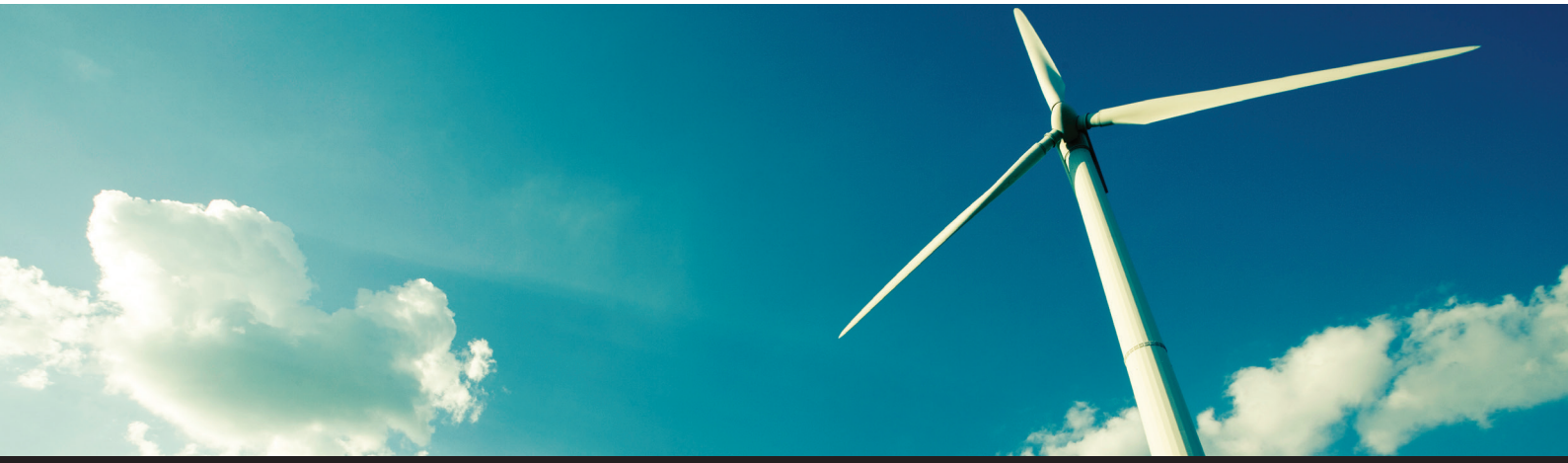
systemseals

NEXT-GENERATION WIND TURBINE PITCH BEARING SEALS



VENTEX

The Ventex seal is a next-generation sealing solution engineered specifically for pitch bearing applications in wind turbines. The Ventex seal is a step up from the traditional extruded profile seals with an innovative design in a high grade compression-moulded elastomeric material. The superior physical properties of the proprietary compound ensure continuous lip contact during bearing deflections, eliminating leakage and increasing the life of the seal.

Dual lip pitch bearing seal with improved lip design to withstand larger bearing deflections. Ideal for large diameter applications in severe environments, Ventex protects the bearings from the elements while preventing any grease leakage.

SUPPORTED BY
systemseals GLOBALONE

System Seals' GlobalOne program partners with its customers to drive down the overall cost of product ownership and optimise supply-chain logistics worldwide.

System Seals 25 CELEBRATING 25 YEARS

Certified System Quality ISO 9001 SAI GLOBAL

systemwind®

systemseals.com | System Seals GmbH, Ossenpadd 22, 25495 Kummerfeld, Germany

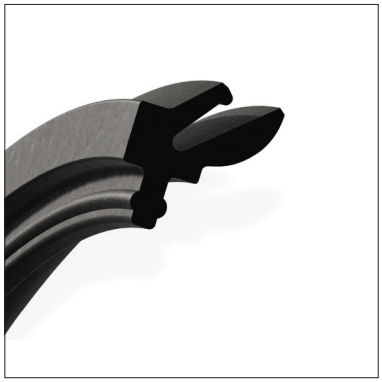
systemseals

VENTEX

BENEFITS

Design

- Dual lip design with each lip profile optimised to control the lip contact forces
- Retention in seal groove to prevent seal expulsion under localised grease pressure
- Custom design available for direct replacement into existing seal grooves
- Can withstand bearing deflections under extreme operating conditions



Performance

- The seal's external dust lip prevents contaminates from entering the bearing
- Seal designed for pressurized grease retention up to 0.5 bar

Material

Available in proprietary NBR and HNBR and PUR compounds.

- HNBR is used when NBR finds its limitations. HNBR has a wider temperature range, excellent oil resistance and better ozone resistance.
- HNBR compound specifically formulated for low temperature applications
- Polyurethane material offers exceptional abrasion resistance to increase service life
- Compression-moulded NBR or HNBR offer the best physical properties when compared to extruded materials commonly used
- Excellent grease resistance and ozone resistance