

FTL Technology offers Sealing Solutions for Wind Turbines.

Product programme for wind turbines

Well proven radial lip seals, specially designed for wind turbines are available in NBR, HNBR and viton materials.

Additionally seals from our standard programme can be equipped with a leakage sensor. Thus, any leaks which occur are measured in a nonwoven material receptor, electronically analysed, and the results automatically sent to a PC, a telephone, or other medium. The advantage being, that the seal performance can be remotely monitored and seal exchange planned in advance. Your equipment can thus be more economically and more reliably protected.

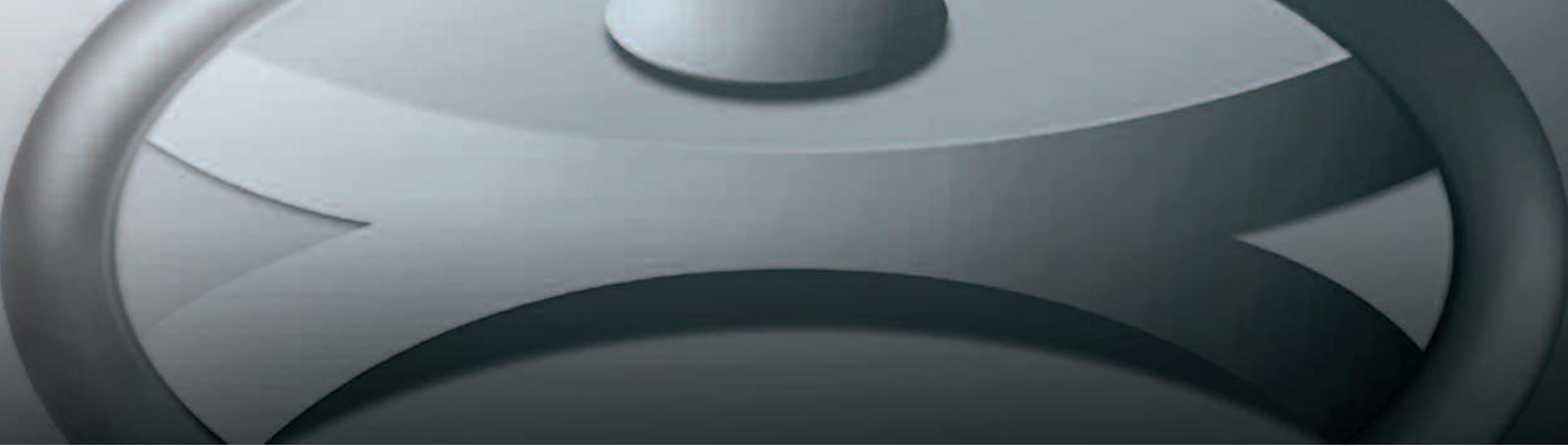
Seals are available in various sizes from 200 mm to 1,700 mm diameter, and dimensions up to 3,000 mm can also be manufactured through a special jointing process without additional tool costs.

For offshore applications, seals are also available in NBR or HNBR with corrosion-proof Aramid fabric. The resistance to aggressive media such as mineral oil, ozone or salt water is thus extraordinarily high.

Product Range

- Radial shaft seals for main bearings
- Vibration control elements for generator, gearbox or main frame mounts
- Profiles Rings/Extrusions for yaw and pitch bearings.
- Accumulators for pitch control





Profile rings - the special solution for Pitch and Yaw bearings.

Rotary units in wind turbines require special sealing technology.

Our profile rings are batch vulcanized in a unique manufacturing procedure and offer lasting advantages over glued rings.

These are available in all standard materials, for example NBR, CR amongst others. Our profile rings offer extended lifetimes, low torques, high resistance, and secure installation for the wind industry. Our profiles are one of the market standards for sealing pivoting bearings. We also offer the profile programme in length form, for maintenance and repairs.

Other products available for wind turbines include hydraulic seals, hydraulic accumulators, O rings, special sealing products and vibration control mountings.

Service Programme for Wind Turbines

Much of our expertise involves the re-specification of sealing systems where the performance is less than satisfactory, in arduous applications. Many companies can offer alternative seals but few offer an investigation of the problem from first principles and a completely engineered solution.

We take a hands on approach to sealing problems, and offer optimised solutions in areas where leakage had become an accepted inconvenience. We are ISO 9001 approved and an accredited IIP. All of our sales force are engineers who can both propose and fit our sealing systems.

In the case of wind turbines, where it is necessary to fit replacement seals in split form. We can perform a jointing process "in situ" when carrying out seal replacement. This system is well proven, and can be performed by our engineers. Alternatively maintenance engineers can be instructed on site in best practice on jointing seals.



FTL TECHNOLOGY
SEALING, BEARING AND ENGINEERED SOLUTIONS

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For advice in a wide range of applications involving leakage, friction and wear,

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