

# WIND TURBINES LIVE LONGER, MORE PRODUCTIVE LIVES

WITH HELP FROM SVENDBORG BRAKES

Getting the most productivity and the longest service life out of every wind turbine generator investment is critical for wind farm operators worldwide. At Svendborg Brakes we understand the importance of extending the life of expensive onshore and offshore turbines.

We design, test and deliver critical wind turbine drivetrain solutions, including rotor and yaw braking systems, rotor locks, cooling systems, and specialised hydraulic power units to ensure fast, controlled and safe braking. We are pioneers in the Wind industry, having delivered braking solutions for the World's first offshore wind farm in Denmark in 1991. We also lead the market in supplying active yaw brake systems to the global wind industry.

To help optimize service life, our products are designed and developed through significant R&D and testing investments and are considered state-of-the-art for all modern medium and large wind turbines. Our superior quality components are built to handle the stresses of wind turbine applications and are engineered to last for decades.

One of the first steps to ensure long service life, is working in close collaboration with turbine OEMs to guide in the correct selection of our braking systems. Custom/bespoke solutions are often required to meet the specific turbine design requirements.

Our leadership, experience and expertise extend far beyond the initial sale and installation of our wind turbine braking systems. We provide worldwide after-sale support to help ensure that our customers get the longest possible service life from our brakes.

Our customized service packages provide professional, technical expertise and maintenance by authorized and dedicated Svendborg Brakes personnel utilizing only genuine Svendborg replacement parts.

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## HIGHLIGHTS

- Always read and properly understand the brake manual. Eyes, mininess & drain bottle usage are some of the most important tools
- Check for visual leaks, and install leak (drain) bottle – this provides early detection of sealing failure or piston damage
- Visually inspect brake pads and brake disc for damage and contamination, any contamination will impact brake performance
- It is important to check proper air gap on the brake caliper
- Check rotor brake caliper position and that caliper can move freely on shafts (where applicable)
- Check hydraulic connections, hydraulic power unit for leakages and change oil & air filter when required



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*Continued from front*

We offer training, technical support, scheduled maintenance, 24/7 global service support, and upgrades. Regal Rexnord Corporation also manufactures long-lasting genuine spare parts, including calipers, brake pads, seal kits, and sensors for all our Svendborg and Stromag brake models. Utilizing genuine replacement parts optimizes brake performance and extends component life.

In most cases, the best practice is to update old turbines with new brakes and pads, etc. With an eye toward sustainability, we only upgrade or retrofit worn or damaged parts while utilizing existing components that are in good working condition and only upgrade or retrofit what is needed.



### Regal Rexnord

[regalrexnord.com/wind-solutions](https://regalrexnord.com/wind-solutions) | [svendborg-brakes.com](https://svendborg-brakes.com)

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