

ROTOR LOCK SOLUTIONS



DESCRIPTION

Rotor locks are used in the wind turbine industry and are typically mounted close to the turbine's main rotor shaft, between gearbox and rotor. A rotor brake is primarily intended for use as safety brake during emergency stops under high wind conditions. The rotor lock is activated by running the lock bolt into the lock disc using hydraulic power; a "locked" signal is then transmitted to the control system.

All Svendborg Brakes rotor lock units are engineered to handle the large output torque generated by the rotor found in wind turbine.

SPECIAL FEATURES

Svendborg Brakes operates with three types of Rotor Lock solutions:

- LSM – Manual driven rotor lock
- LSA – Hydraulic driven rotor lock
- LSL – Electrical driven rotor lock

SAFETY FEATURES:

- Fastening bolt with dedicated holes for padlocks
- Position Indicator Switch for assurance engaged/disengaged position

KEY BENEFITS

- Compliance with safety regulation (e.g. requirement for form-fit locking)
- Suitable for extreme wind load situations
- Reliable and proven design on thousands of turbines
- Monitoring capabilities by visual and/or electrical sensors
- Hydraulic or Mechanical activation
- Fully automated rotor lock engagement available
- Best in class corrosion protection
- Full engineering support from first samples to serial deliveries



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