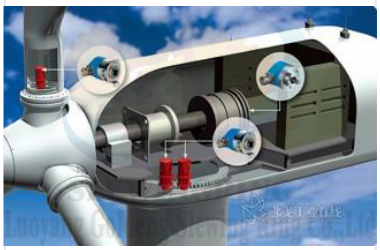
Wind Turbine Yaw Slew Drive

Slew drives enable 360-degree rotation in wind turbine yaw systems, similar to their use in solar energy generation. This allows for precise adjustment of the receiving angle to optimize energy capture.



Product Overview

High-Performance Hourglass Slewing Drive

This specialized slewing drive utilizes an hourglass gear design to engage five to eleven teeth simultaneously, providing exceptional power and structural integrity. Engineered for demanding environments like wind turbines, it delivers superior torque endurance and durability for high-load applications. The integrated gearbox architecture allows for simultaneous load-holding and rotational torque, ensuring precise yaw control and optimal operational efficiency.

Technical Features

Key Performance Metrics

11 teeth	5 teeth
Maximum Tooth Engagement	Minimum Tooth Engagement

Design Advantages

- Hourglass gear engagement for increased strength
- Combined load-holding and rotational torque capacity
- High-torque endurance for industrial applications
- Optimized for turbine yaw control and blade pitch

Applications

Industry Applications	Wind Turbines, High-Torque Systems, Industrial Machinery, High-Load Equipment

Rooms 05–15, 13A/F South Tower, World Finance Centre, Harbour City, 17 Canton Rd, Tsim Sha Tsui, Kowloon, Hong Kong