

Kaydon has **shipped** **15,000 tower sets** for more than **20,000 MW** of wind energy

Kaydon: the slewing ring leader

Kaydon is North America's leading supplier of wind turbine bearings, with a 20+ year track record of supplying slewing ring bearings to the renewable energy market.

The Kaydon wind energy team has the experience and capability to support a wide variety of critical pitch and yaw applications. We apply Kaydon **infinite**[®] engineering

expertise to best meet critical performance requirements with the most economical design, while meeting Germanischer Lloyd and other specifications.

Wind turbine applications

- Pitch and yaw
- High and low wind speed
- Land-based or offshore
- 200 kW to 5.0 MW
- Critical operating temps to -40°C

Bearings for wind turbines

- 60" to 160" (4.2m) outer diameter
- Four-point contact bearings
- Eight-point contact double row bearings
- Exceptional moment, thrust, and radial load capacities
- Internal and external gear designs
- Corrosion resistant materials and coatings
- Unique sealing arrangements for severe operating conditions

Dedicated manufacturing for wind

- More than 165,000 sq ft of dedicated manufacturing space
- Two bearing production plants

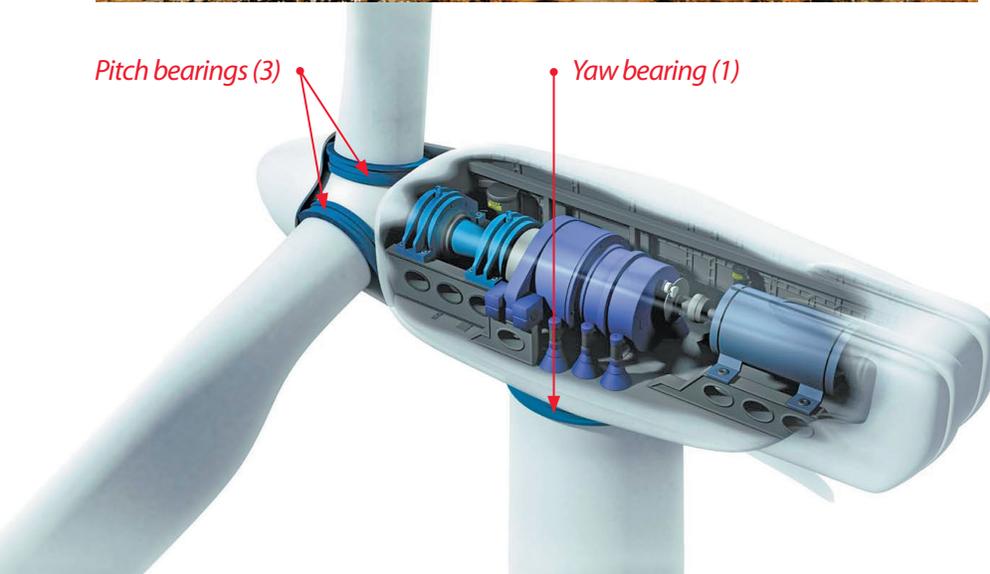
Kaydon infinite[®] engineering expertise

- Gear and bolt analysis
- Sealing system/seal life testing
- Lubrication systems



Pitch bearings (3)

Yaw bearing (1)



Kaydon
infinite[®]
bearing
solutions



an SKF Group brand **SKF**

Kaydon offers **new** and **replacement** wind energy bearings, and **repairs** worn bearings

We apply Kaydon **infinite**[®] engineering expertise to the design and manufacture of slewing ring bearings for wind turbines. Kaydon pitch bearings allow the turbine blade to be indexed or positioned to optimize blade angle, depending on wind speed. Our yaw bearings allow the turbine nacelle to rotate into the wind and support the nacelle on the tower.

Kaydon wind turbine slewing ring bearings feature deep groove gothic arch raceways and maximum ball complement. Integral seals assist in the exclusion of contaminants.

Repaired & replacement bearings

Kaydon's remanufacturing staff is supported by expert engineers and dedicated, state of the art equipment. Our bearing remanufacturing process

returns the bearing to service in the shortest possible time while ensuring the highest quality workmanship. A bearing repaired by Kaydon costs less than a new unit and carries a one-year warranty.

Replacement bearings that perform like new

A new Kaydon replacement bearing equals the performance of the original with a full one-year warranty. You can even opt for increased dynamic life and static capacity.

Kaydon can reverse-engineer and manufacture to any OEM's original specs in our ISO 9001:2008 certified program.

To learn more about Kaydon **infinite**[®] slewing ring bearing solutions for wind energy, visit www.kaydonbearings.com.



Kaydon offers new, repaired, and replacement bearings for land-based and offshore wind turbines



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