



# Pitch on the safe side

**IMO Blade & Yaw Bearings for offshore environments rely on more than 25 years experience in wind turbine applications.**



## Wind Turbines Offshore

## Blade & Yaw Bearings

### IMO Offshore

- designed & calculated by bearing experts
- fielded in offshore turbines exceeding 6 MW
- used in rotors larger than 165 m
- in service with the majority of offshore wind turbine OEMs
- leak-proof offshore seal capable of large deflections
- bearings of more than 5 m in diameter and 8,000 kg weight supplied for offshore turbines

#### More than...

- 36 GW delivered worldwide
- 75,000 IMO large diameter bearings for wind turbines in use
- 10 % of the worldwide wind turbine capacity is equipped with IMO bearings

**„...trust one of the leading suppliers!“**



- 2 MW to 7+ MW
- used with hydraulic & electric pitch
- single/double row blade bearings
- triple row roller bearings
- yaw gear rims

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# IMO Blade & Yaw Bearings

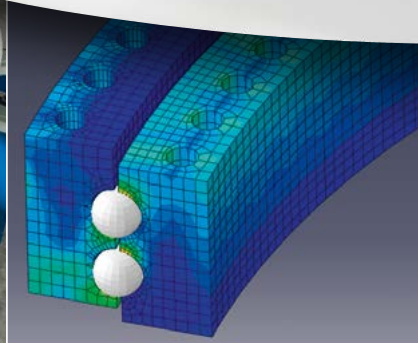
- made from 42CrMo4QT
- ball sizes up to 80 mm
- 4-point contact raceway configurations, alternatively 0° / 90° contact angles (triple race designs)
- superior sealing solutions replaceable in the field
- non-corroding seal running surfaces
- corrosion protection levels including C5
- zinc flame sprayed surfaces
- multi-coat paint systems



3 MW-class blade bearing, ► hydraulic pitch



▲ 7 MW-class offshore blade bearing, electric pitch / internal gears



Applying German engineering expertise, IMO designs slewing rings for wind and tidal energy installations using benchmark FE models.

IMO is certified according to the standards ISO 9001, ISO 14001 and OHSAS 18001.

IMO follows the technical guidelines set by leading certifying authorities when calculating the slewing ring performance and life capabilities.



## IMO

made in Gremsdorf, Germany

More than 25 years on your side.



## T-SOLID

pitch on the safe side

unfolds new perspectives for reduced cost of ownership, ensuring your return on investment!

Find more information at [www.t-solid.com](http://www.t-solid.com)

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