



Main Bearing Unit

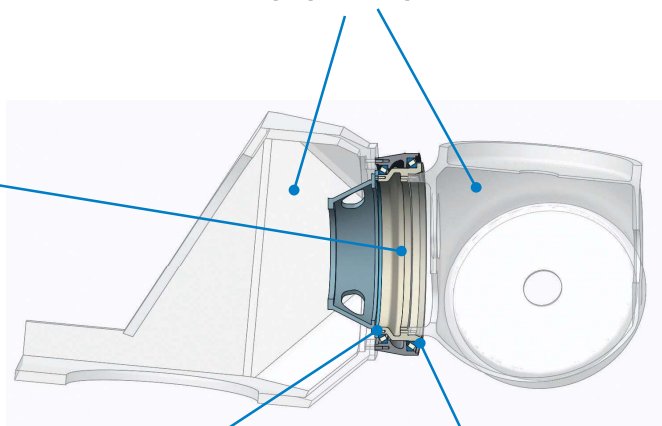
MBU2500TV – An eolotec Exchange Solution February 2016

2) Ready to mount unit

- Ready to mount at any turbine site
- One single transport unit
- Optimized transport dimension
- Simplified single blade assembly
- Less crane capacity

1) Design integration

- Integration in existing surroundings
- No changing of flange connections



4) Preloaded tapered roller bearings

- Optimized kinematic
- Exact preload adjustment with Premesy
- Temperature compensation due to geometric structures

3) Permanent sealed and protected system

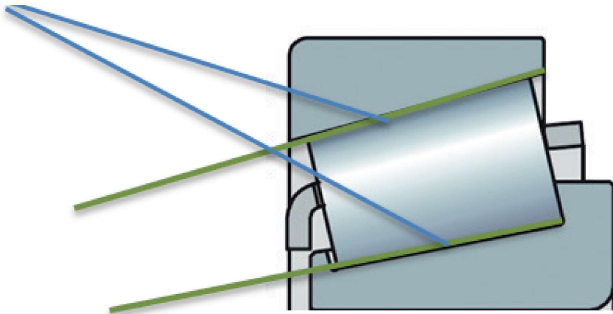
- Grease lubricated
- Less risk of leakage
- Integrated sensors

Main Bearing Unit - MBU2500TV

Advantages Main Bearing Unit

- Design integration in surrounding structures without changing of the connections [1]
- Delivery of a whole unit as a system solution [2]
- Simplified single blade assembly is possible and less crane capacity
- Permanent sealed and greased system [3]
- Vibration and temperature condition monitoring
- Two preloaded tapered roller bearings with exact preload adjustment with our Preload Measurement System - Premesy [4]
- Temperature compensation due to geometric structures
- Better load distribution in bearing
- Premium bearings with high quality standards

No sliding



- Optimized load distribution and best possible kinematic of tapered roller bearings: little slippage and skewing motion lead to better lubrication conditions and less wear and therefore longer life time

