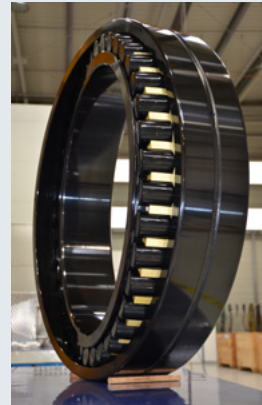




psl[®] spherical roller bearing



For many years, Rothe Erde Slovakia has been manufacturing large rolling bearings for the main shafts of wind turbines supplied to leading OEMs worldwide. Our spherical roller bearings are designed to operate under demanding conditions, combining high radial load carrying capacity with the ability to compensate shaft misalignment caused by structural deformation, wind loads, and installation tolerances.

The exhibited SRB 240/1180 bearing represents decades of engineering expertise in large bearing design and manufacturing. Installed in wind turbines operating onshore and offshore around the globe, bearings of this type have proven their reliability in long-term field operation, where durability, robustness, and operational safety are critical.

Featuring a machined brass cage and optimized internal geometry, the bearing delivers excellent running behaviour, high resistance to dynamic loading, and dependable performance throughout the turbine lifecycle.

Technical Highlights

Bearing type:	Double-row spherical roller bearing
Designation:	SRB 240/1180 (B 240/1180CCW33FB LB)
Application:	Main shaft support for wind turbines
Bore diameter:	1,180 mm
Outside diameter:	1,660 mm
Width:	475 mm
Weight:	Approx. 3,280 kg

Key benefits:

- Proven technology with many years of successful field operation
- Designed specifically for wind turbine main shaft applications
- High load carrying capacity for demanding operating conditions
- Self-aligning design accommodates shaft deflection and misalignment
- Robust machined brass cage for enhanced durability

Customer benefit



Reduced
downtime



Extended
turbine
lifetime



Lower
operating
costs



Installation
Support