





*Bearings in wind turbines operate at the extremes of operational environments in terms of temperature, load fluctuation, maintenance access and lubricant optimization. As rotor diameters increase, confidence in your bearings becomes even more critical.*

# **Achieve Peak Performance in Wind Turbines**



**S**cheerer provides wind turbine manufacturers high-performance bearings designed for the unique stresses of these ultra-large machines.

Environmental considerations, component durability requirements, manufacturing limitations, material choices, load fluctuation, lubrication options and mounting all influence the success of a bearing design. Talk to us and see for yourself why Scheerer has been a trusted bearing supplier for industries that think big.

#### **A Trusted Energy Partner**

Scheerer Bearing has been an energy industry partner since its founding. Our comprehensive, state-of-the-art bearing product line is ideally suited for the wind turbine market. Scheerer brings decades of engineering expertise focused exclusively on the highest performance ball and roller bearing design and bearing assemblies. We've achieved a reputation for helping manufacturers maximize output efficiencies by tailoring the bearing design to the unique functional needs of their equipment. The push toward coastal wind farms will present challenges

different from land based turbines. Our experience with large scale bearings operating in marine environments can be a valuable asset in your design.

#### **A Reputation for Quality, Service and Craftsmanship**

Scheerer Bearing has been manufacturing and rebuilding industrial bearings for nearly five decades. We have the knowledge and experience required to service bearings of virtually every category, material and operating environment.



# Scheerer Product Line & Services

## RADIAL BALL BEARINGS

Single Row Deep Groove  
Double Row Deep Groove  
Angular Contact  
Double Row Angular Contact  
Max-Capacity  
Self-Aligning  
Four Point Contact  
Split Inner Race  
Reciprocating  
All Special Types

## BALL THRUST BEARINGS

Flat seat-Grooved Races  
Flat seat-Flat races  
Self-Aligning  
Banded  
Single or Double Acting  
Combination  
Angular Contact  
All Special Types

## OTHER PRODUCTS

Combination Radial and Thrust Bearings  
Large Diameter to over 100"  
All Types of Special Bearings  
Hardened and Ground Sleeves  
Bearing Components  
Slewing Ring Bearings

## RADIAL ROLLER BEARINGS

Cylindrical  
Single Row  
Multi-Row  
Cross Roller  
Journal  
All Special Types

## ROLLER THRUST BEARINGS Plain Type

Washers Only  
Self-Aligning  
Crane Hook  
Combination  
Single Acting  
Double Acting  
All Special Types

## SERVICES

Bearing Repair and Reconditioning  
Clearance Changes  
Bore Tapering  
Flush Grinding & Preloading  
W-33 and W-26 Feature Additions  
Snap Ring Grooving  
Inspection Services  
Ceramic Ball Installation  
Special Coating Applications



**SCHEERER**  
BEARING CORPORATION



**CHAIN & DRIVES**  
COMPLETE BEARINGS  
& POWER TRANSMISSION

Wind Turbine Bearings

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Unit 16/51-53 Kewdale Road Welshpool WA 6106 ☎ (08) 6314 1155

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A Mechanical Equipment Group Company