



BEARINGS FOR VARIOUS GEARBOXES

SPECIAL AND STANDARD BEARINGS

Introduction

Gearboxes are used in a very wide range of industrial fields. Gearboxes are important subsystems in almost every industrial application. Together with the electrical motors (or with other prime movers) they form the drive train that is needed in most processes. Due to the variety of the existing applications, the industry requirements are the most diverse ranging from so called standard components up to the fully customized solutions that include advanced co-engineering. URB rolling bearings have contributed considerably to current developments. Through targeted research and development, constant increases in quality and experience with gear manufacturers we have increase our bearings' functionality and operational reliability. Our service includes expert advice on applications, technical consultancy and advanced rolling bearing calculation and testing.

Types of Gears :



Spur gears



Planetary gears



Bevel gears



Worm gears



Hypoid gears



Helica gears



Eccentric gears

Our product for the most popular types of gearboxes:

STANDARD BEARINGS

Deep groove ball bearings
Size range : 50 mm ÷ 300 mm
(outer diameter)



Angular contact ball bearings
Size range: 50 mm ÷ 320 mm
(outer diameter)



Cylindrical roller bearings
Size range: 30 mm ÷ 1000 mm
(outer diameter)



Spherical roller bearings
 Size range: 80 mm ÷ 620 mm
 (outer diameter)



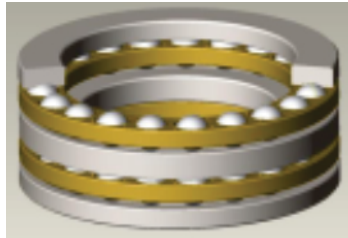
Taper roller bearings
 Size range: 50 mm ÷ 300 mm
 (outer diameter)



Thrust ball bearings - Single direction
 Size range: 24 mm ÷ 420 mm
 (outer diameter)



Thrust ball bearings - Double direction
 Size range: 24 mm ÷ 420 mm
 (outer diameter)



Spherical roller thrust bearings
 Size range: 100 mm ÷ 400 mm
 (outer diameter)



Bearings requirements for main industry sectors

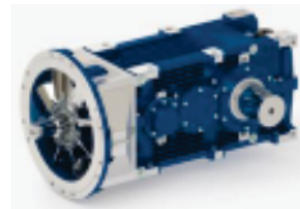
Bearings for Industrial gears



Bearings Requirements

- Minimum maintenance
- Simple design
- High load carrying capacity
- Low friction

Bearings for Mining gears



Bearings Requirements

- Operating in extreme environmental influences (dirt, dust water, etc.)
- Low vibration
- High rigidity
- High capacity, to support heavy impact

Bearings for Machine tool gears



Bearings Requirements

- High speed
- Extreme precision or stiffness
- Low friction
- High rigidity

Bearings for Wind turbine gears



Bearings Requirements

- Minimum maintenance
- Low friction
- High operational reliability
- High load carrying capacity

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