



BEARINGS

satisfying customers across the globe



BEARING MANUFACTURING COMPANY EXCEL BEARINGS PVT. LTD.



- **BMC** and **EBPL** are one of the leading manufacturers and exporters of bearing from India.
- Since last 30 years we have been satisfying customers across the globe (in Germany, UK, USA, Japan and South Africa).





the journey begins ...



- **1933** - Started trading in bearings - **M/S Dhirajlal Morarji**
- **1974** - Started **M/S Excellent Engineering Corporation** to manufacture thrust ball bearings.
- **1980** - Started **Bearing Manufacturing Company** to manufacture Ball and Roller Bearings.
- **1981** - Started exports to England & USA.
- **1995** - Started exports to Germany.





the journey continues ...



- **1995** - Started **EXCEL BEARINGS PVT. LTD.** to manufacture Spherical Plain Bearings.
- **1999** - **EXCEL BEARINGS PVT. LTD.** was QS 9000 certified.
- **2002** - **BEARING MANUFACTURING COMPANY** was ISO/TS 16949 certified.
- **2002** - **EXCEL BEARINGS PVT. LTD.** was ISO/TS 16949 certified.
- **2010** - Started to manufacture Slewing Rings.





we manufacture ...



- ▶ Ball Bearings
- ▶ Roller Bearings
- ▶ Spherical Plain Bearings
- ▶ Clutch Release Bearings
- ▶ Slewing Rings





Ball Bearings



- ▶ **Radial Ball Bearings**
 - XLJ, LJ and MJ series (Inch series)
 - 6000, 6200, 6300, 6400 and 16000 series (Metric series)
(Available in N, NR Z, ZZ RS and 2RS designs)
- ▶ **Single Row Angular Contact Ball Bearings**
 - LJT and MJT series
- ▶ **Four Point Contact Ball Bearings**
 - QJ series
- ▶ **Angular Contact Ball Bearings - Double Row**
 - 3200 and 3300 - D Series Bearings





Roller Bearings



- ▶ **Radial Cylindrical Roller Bearings**
 - LRJ and MRJ series (Inch series)
 - NJ, NUP, N, NF series (Metric series)
- ▶ **Full Complement Roller Bearings**
 - NJG and NCF series
- ▶ **Thrust Roller Bearings**
 - TP series
- ▶ **Spherical Roller Bearings**
 - 222 and 223 series (with cylindrical and tapered bore)
- ▶ **Taper Roller Bearings**
 - 30, 31, 32 and 33 series
- ▶ **Polished Inner Race for Needle Roller Bearings**





Spherical Plain Bearings



- ▶ **GE...ES, GEG...ES, GEM...ES, GEZ...ES, GEZH...ES and GEZM...ES series**
(Also available in 2RS Design)
- ▶ **GE...SX, GAZ...SA series**
- ▶ **Spherical Plain Bearings double acting, angular contact GEZPR.. and GEZP..S**
- ▶ **Spherical Inner Races ground and mirror polished for Rod Ends**





Clutch Release Bearings



- ▶ **Covered Radial Ball Bearing**
- ▶ **Angular Contact Ball Bearing**
(with pressure plate such as CT1310, OT 35B, SKF NO. 306445 C)





Slewing Rings

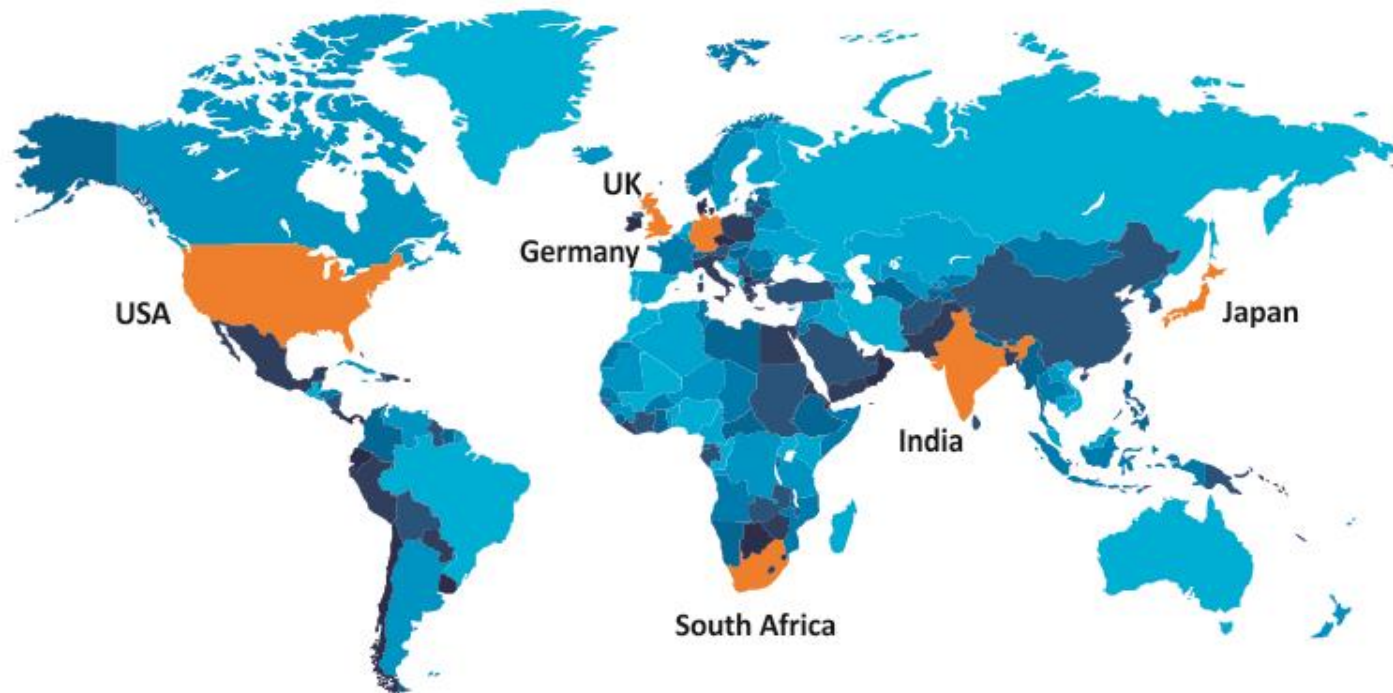


- ▶ with external gear teeth
- ▶ with internal gear teeth
- ▶ without gear teeth





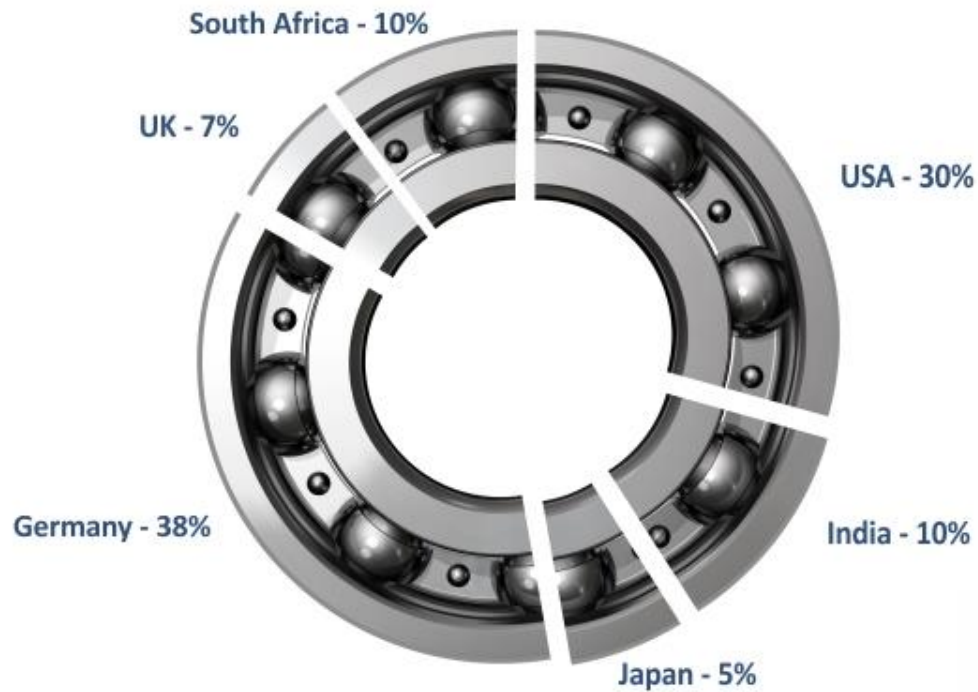
Principal Markets





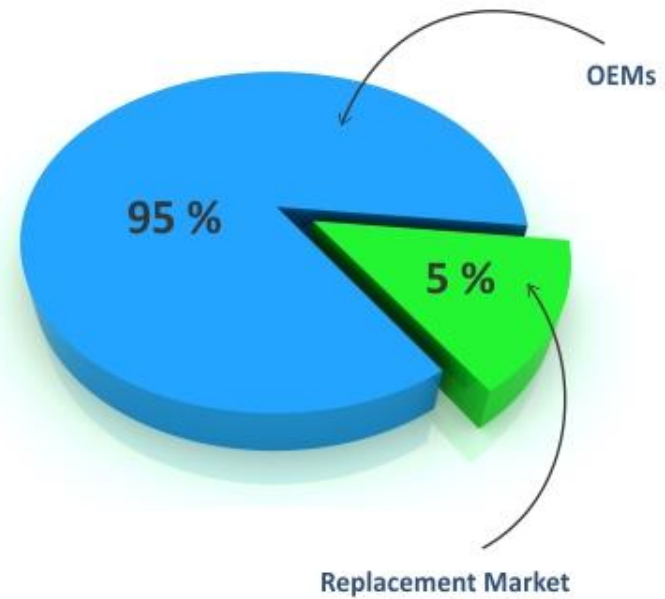
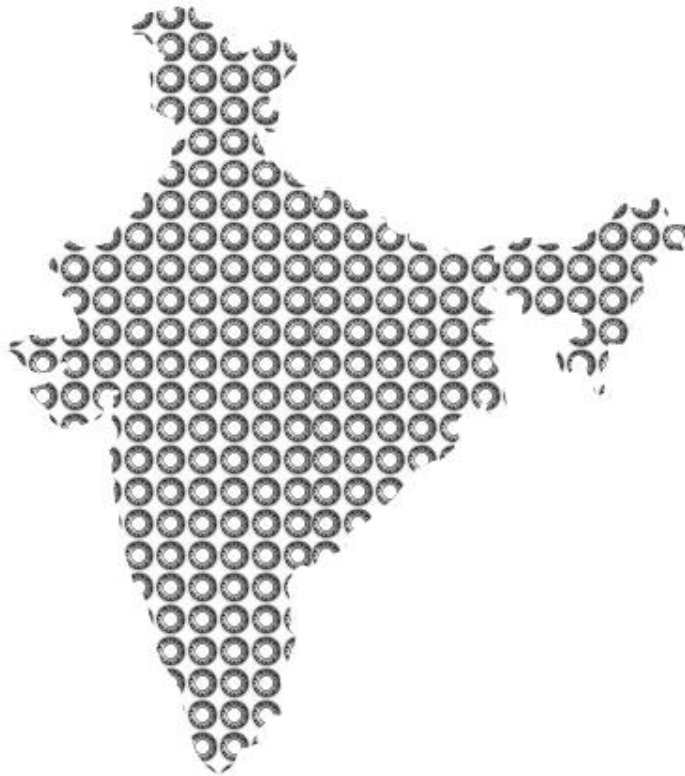
Sales & Exports

Our Sales is around USD \$ 2 millions per year out of which 70% is from exports to Germany, USA and South Africa.





Sales in India





Core Strength of the company



- We have dedicated ourselves to provide our customers with products of the finest quality, supported by technical expertise and service. This uncompromising approach has been the foundation of our growth - to become one of the leading manufacturers and exporters of bearings.
- Our spectacular growth can be attributed to our team of dedicated people and the confidence of our customers in us to design and develop different kinds of bearings.





Manufacturing Facilities



➤ Overview of BMC Plant



➤ Overview of EBPL Plant





Manufacturing Facilities



▶ **CNC Grinding Machine**



▶ **Manual External Grinder**





Manufacturing Facilities



▶ Centre Less Grinder



▶ Semi Auto Bore Grinding Machine

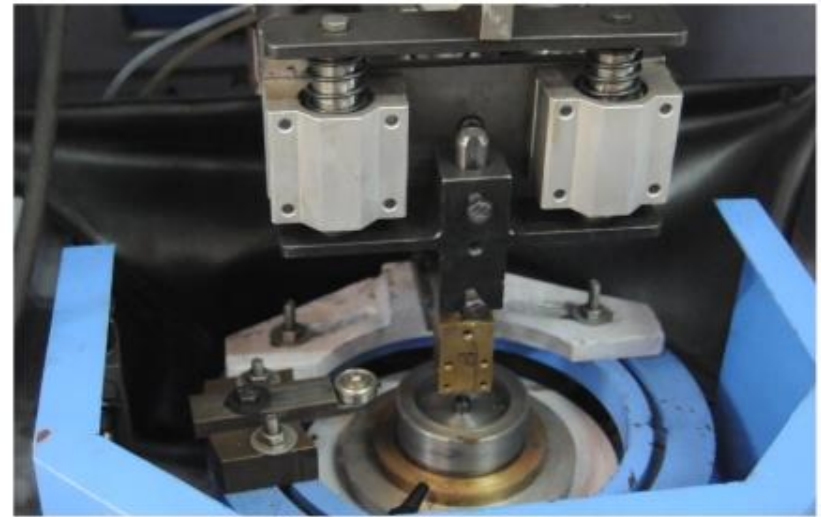




Manufacturing Facilities



▶ **Super Finishing Machine - Ball Bearings**



▶ **Super Finishing Machine - Cylindrical Roller Bearings**





Manufacturing Facilities for Slewing Rings



▶ Induction Hardening Machine



▶ Horizontal Surface Grinder





Manufacturing Facilities for Slewing Rings



▶ External Grinding Machine - Shoe Type



▶ Internal Grinder





Pre Production



- ▶ FMEA, APQP, PPAP ...
- ▶ Autocad for designing
- ▶ Raw material & components are purchased from pre-qualified suppliers only.
- ▶ Chemical and micro structure testing is done on rings, balls and rollers as per international standards by metallurgists who have more than 20 years experience.





Production



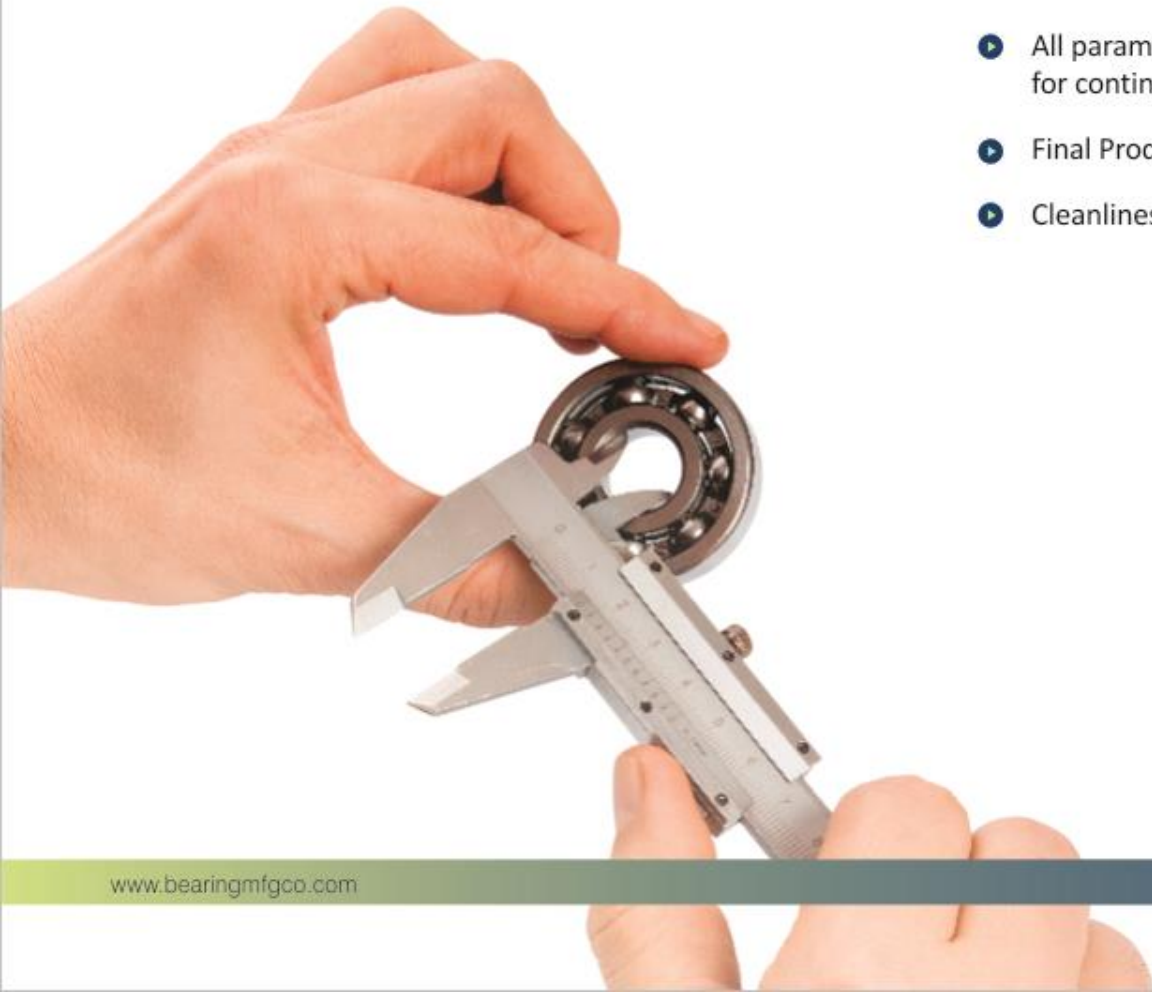
- Control Plans, Set-up Approvals, Online Inspection Reports and SPC
- Process Audit
- 5S, Continuous Improvement Programs





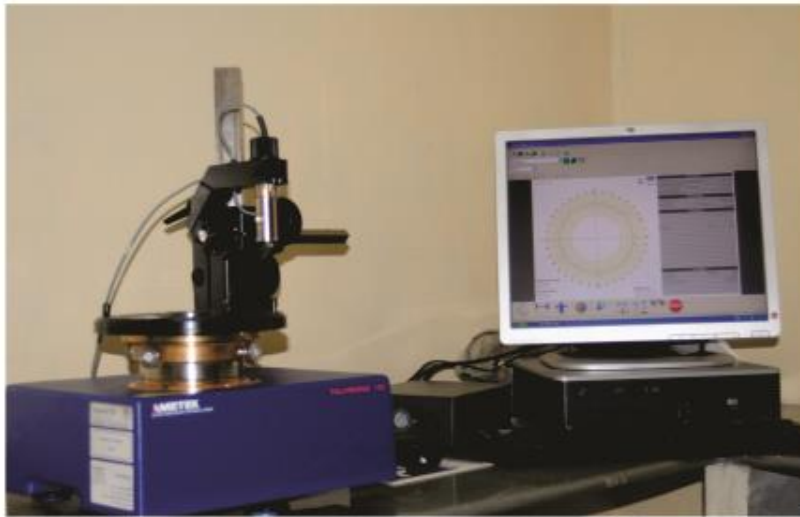
Post Production

- All parameters are checked as per control plan and analyzed for continuous improvements.
- Final Product Audit
- Cleanliness Test and Residual Magnetism Test





Facilities for Q.C. and Inspection



▶ Taylor Hobson Roundness Checking Equipment



▶ Mityutoyo Contour Checking Equipment





Facilities for Q.C. and Inspection



▶ **MPI Crack Detector**



▶ **TALYSURF Surface Finish Checking Equipment**

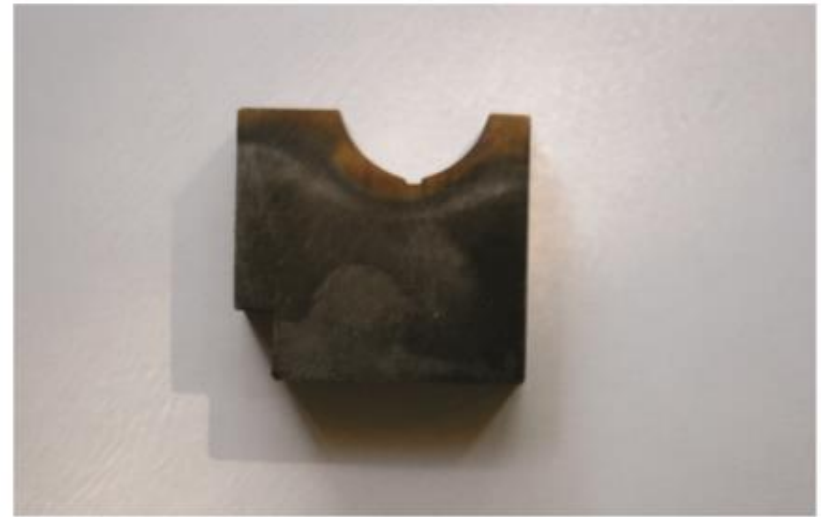




Facilities for Q.C. and Inspection for Slewing Rings



▶ Re-bound Type Hardness Tester

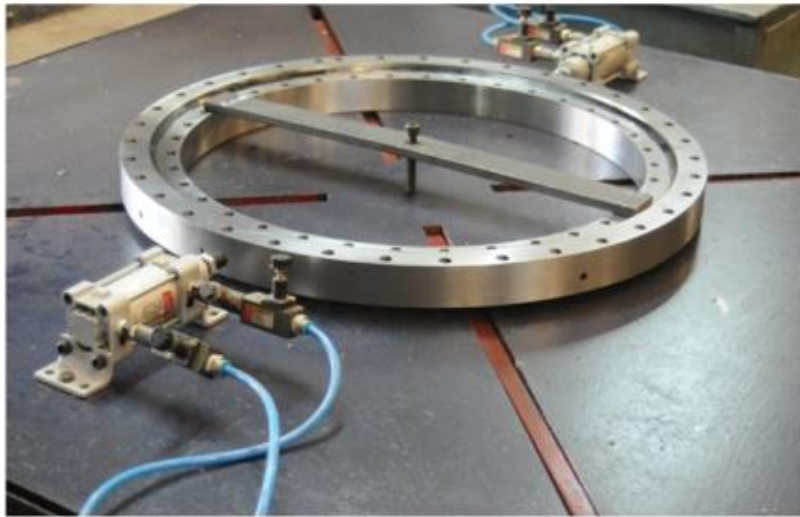


▶ Cross Section to check Hardening Profile

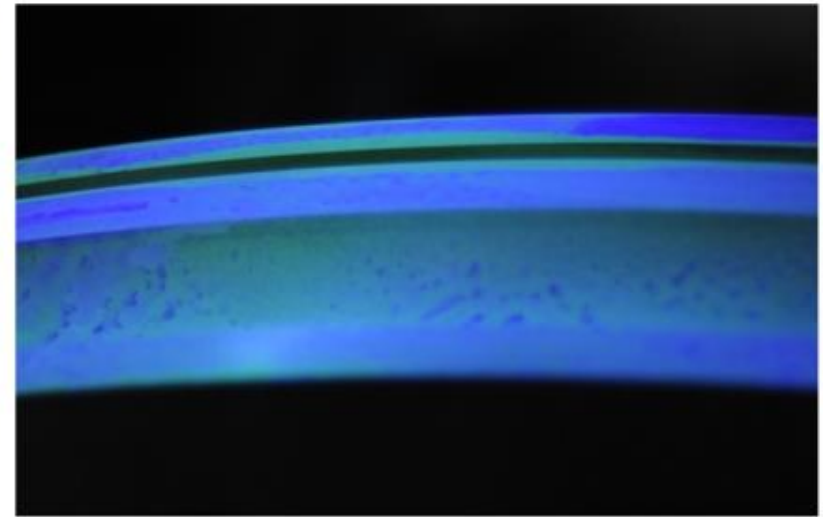




Facilities for Q.C. and Inspection for Slewing Rings



• Radial and Axial Clearance Checking Equipment



• Crack Inspection by Dye Penetration Method





Applications



▶ Actuators



▶ Diesel Engines





Applications



• Tractors



• Power Tillers





Applications



▶ **Earth Moving Machinery**



▶ **Blow Film Machinery**





Applications



▶ Hydraulic Cylinders

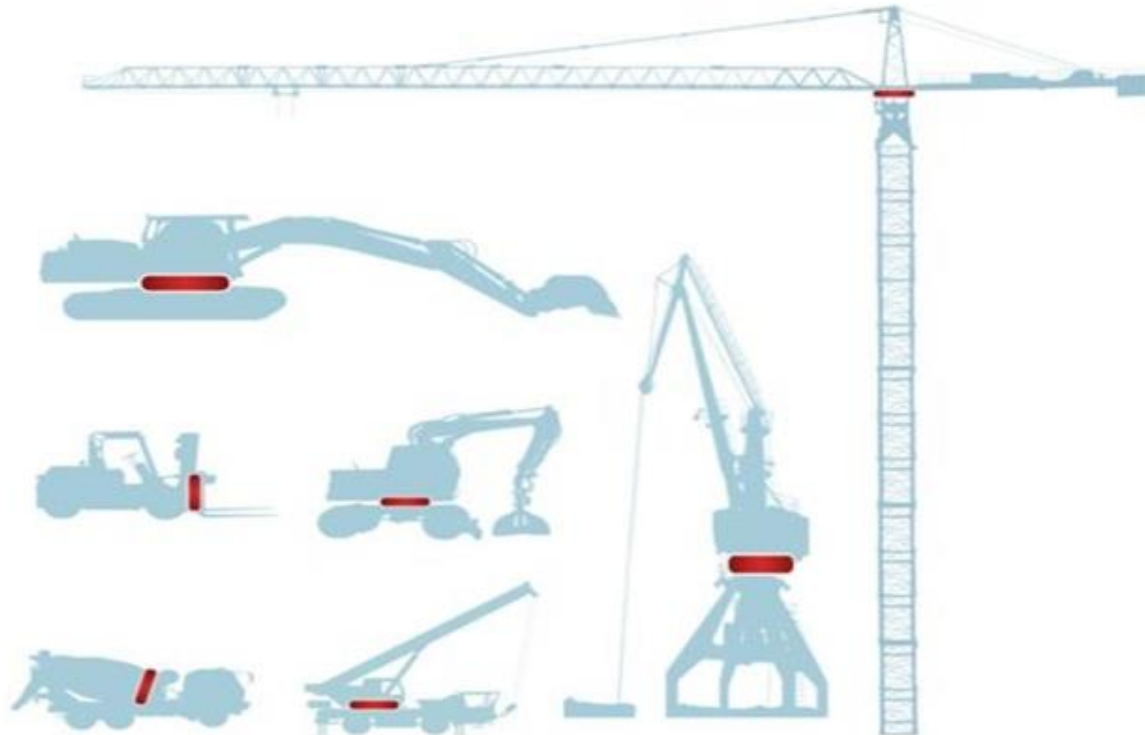


▶ Road Roller





Slewing Ring - Application Areas





Certifications





CERTIFICATE

The TÜV CERT Certification Body
of TÜV Industrie Service GmbH
TÜV Rheinland Group
certifies in accordance with
TÜV CERT procedures that

EXCEL BEARINGS PVT. LTD.
A2 - 303/18, G.I.D.C, Makarpura Baroda- 390 010, India

has established and applies a quality management system for

**Manufacture of Roller Bearings and Spherical Plain Bearings
and their Components for Automotive Applications
- without product design and development -**

Proof has been furnished through an audit Report No. 033211
that the requirements according to

ISO/TS 16949:2002
and the customer specific requirements
of the customers listed in the annex have been fulfilled.
The certificate is valid from 2005-04-18 until 2008-04-17
Certificate Registration No. 01 111 033211
TUV Certificate No. 0004939



Group 3000 00 10

TÜV CERT Certification Body of
TÜV Industrie Service GmbH
D-51109 Köln

www.tuv.com

CERTIFICATE 

Management system as per
ISO/TS 16949:2002
(2nd edition, 2002-03-01)

Evidence of conformity with the above standard has been established and is certified in accordance with TÜV CERT procedures for:

Bearing Manufacturing Company
11, GIDC Makarpura
Vardolara - 390 010
India

Scope

Manufacture of Bearings and Related Components
without product design responsibility (according to section 7.3)

ATF Registration No. 028604
Certificate Registration No. 01 111 033211

Valid from 2007-09-27
Valid until 2010-09-28

Issue: 2007-09-17

J. Winch
TUV CERT Certification Body
at TÜV NORD CERT GmbH

This certification was conducted in accordance with the TÜV CERT auditing and certification procedures and is subject to regular surveillance audits.

TÜV NORD CERT GmbH Langenwedderheide 20 47147 Essen www.tuv-nord-cert.com




02 40 000 0703





Future Plans



- To manufacture EMQ bearings.
- To get OHSAS 18000 certified.
- To manufacture Bearings upto 2000 mm Dia.





Contact Information



▶ **Contact Persons :**

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