



CK BIRLA GROUP

nbc[®]
flexible solutions

National Engineering Industries



Follow us on:
     /nbcbearings
www.nbcbearings.com

Contents

S.No. Item

- 1** CK Birla Group
- 2** NBC bearing introduction
- 3** NBC bearings application
- 4** NBC international footprint
- 5** Kinex bearings
- 6** Product-range
- 7** Quality certifications & awards
- 8** Our customers
 - a** Automotive OEMs
 - b** Railways
 - c** Industrial sector
- 9** Why choose us?

CK BIRLA GROUP

nbc[®]
flexible solutions

CK BIRLA GROUP

CK Birla Group at a glance



157 years of
strong heritage



Emphasis on **nation building**
and **community development**



Fast growing \$2.4
billion **conglomerate**



Long standing **successful**
partnerships

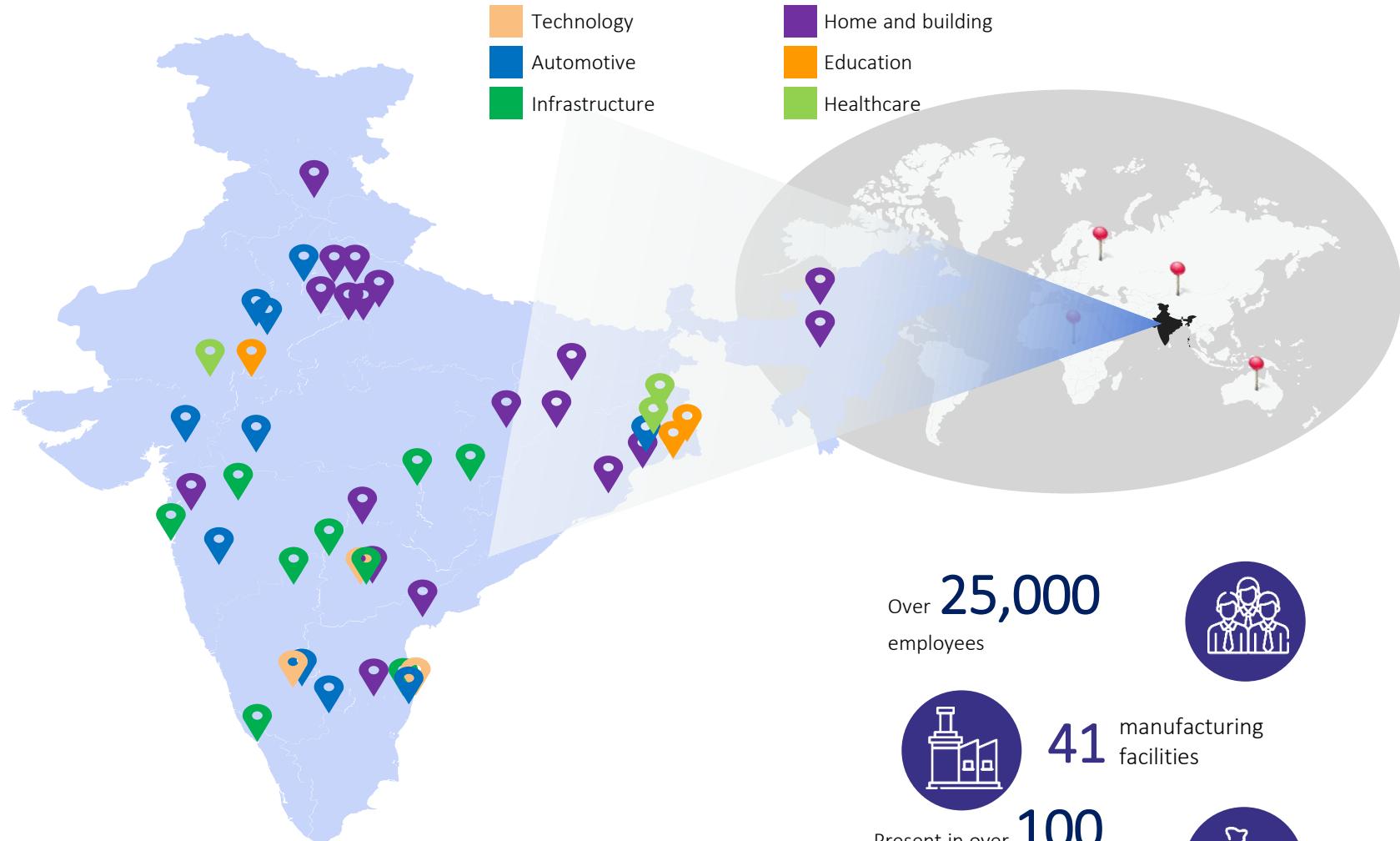


Focus on **nurturing** and
developing talent



Driven by **five**
Core values

CK Birla Group - Creating Impact In India and The world



A journey of Business Excellence



Automotive



India's largest bearing manufacturer for automotive, railway, and industrial applications



India's largest integrated powertrain manufacturer along with manufacturing of precision-engineered products



Leading iron castings manufacturer serving the automotive, agriculture, earthmoving and engineering industries



Leading cement Manufacturer operating for all industrial, residential, commercial constructions



World class player in Infrastructure development; Manages sales and support of engines, equipment for mining, construction and road-laying activities

Infrastructure

Home & building



One-stop brand for lifestyle electrical solutions with a diverse portfolio of fans, lighting, home appliances, switchgears being India's largest exporter of fans



Pioneer in durable roofing solutions; Largest manufacturer of fiber cement roofing sheets in India



Leading paper manufacturer; Produces a wide range of writing, printing, industrial and speciality papers, paper products and boards

Technology



Global IT solutions provider with deep expertise in Digital having presence in United States, Europe, Asia-Pacific and India



A chain of world-class hospitals focused on the healthcare needs of women

India's Leading Bearing Manufacturer and Exporter



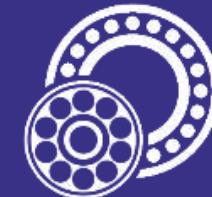
1946

India's first
Bearing manufacturer



200+

Million Bearings
manufactured/annum



2300+

Sizes
bearings offered



5

Manufacturing
locations



**Leading
Exporter**



30+

Countries
customers spread



**Leading
R&D and
Innovation Centre**



2800+ People

NBC Bearings applications

Automotive

2/3 Wheelers



Cars



Trucks



Tractors



Trailers

Industrial

Electric motors



Heavy engineering plants



Bulldozers



Power plants



Cement plants

Railways

Wagons



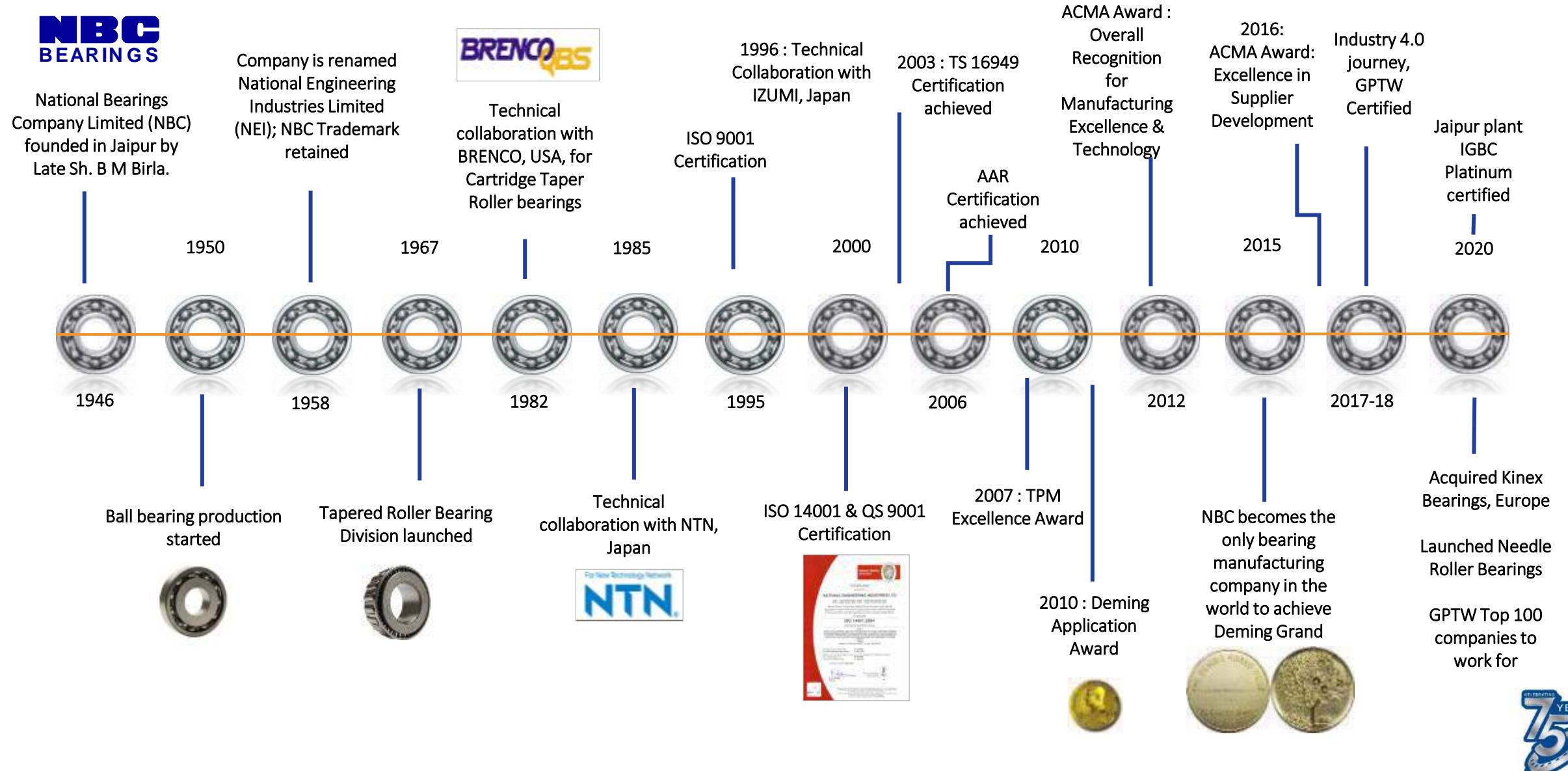
Coaches



Locomotives



Our Milestones



Global presence and operational footprint



Channel Partners in
Vietnam, Ecuador, Colombia,
Uganda, Sudan, Kenya,
Bangladesh, Nepal, Srilanka

International offices in
USA, Germany, Japan and Brazil

500 stockist and
10,000+ Retailers in India

Headquartered in Jaipur
with company representatives
located in
Delhi, Mumbai, Pune, Chennai,
Kolkata, Chandigarh and

Exporting to over 30 Countries



Introduction to KINEX BEARINGS

NBC acquired Kinex bearings in January, 2020

- Headquartered in Bytca, Slovakia
- Over 100 years of history in engineering

COMPANY STRUCTURE

Bearings Machinery

HISTORY AND TRADITION

The plant in Bytča has over 100 years of tradition in engineering industry

APPLICATIONS

- **Automotives:** 2/3 wheelers, Cars, Trucks Tractors and Trailers
- **Industrial :** Electrical motors, Heavy Industrial Plants, Bulldozers, Power plants and cement Plants
- **Railways:** Wagons, Coaches and locomotives



PRODUCT RANGE



Product Range

Ball Bearing



Deep Groove
10 ~225 mm OD



DRAC Bearing:
50 ~ 80 mm OD



Angular Contact:
30 ~ 150 mm OD



Self Aligning
26 ~200 mm OD

Taper Roller Bearing



Taper
30 ~ 200 mm OD



Unitized Bearing

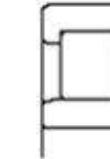
Cylindrical Bearing



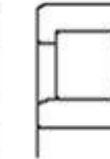
Cylindrical Roller
30 ~200 mm OD



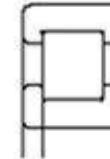
Bearing (Cage-less)



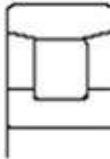
NU



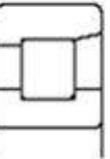
NJ



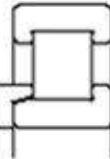
NUP



N



NF



NH

Spherical Roller Bearing



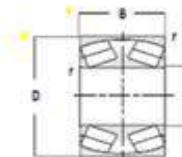
Spherical:
80 ~300 mm OD



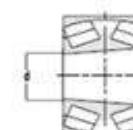
With Brass cage



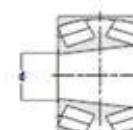
With Steel cage



Cylindrical Bore



Tapered Bore (K)
(1:12)



Tapered Bore (K00)
(1:30)

Product Range

Thrust bearing



Roller Thrust



Ball Thrust

Pillow Block



UCP



UCF



UCT

Special Product

Bearing Solutions



Belt Tensioner

More Life Series
BearingsLow Torque
bearings

Next Gen Bearings

Pre-set Hub
AssemblyGen-3 Wheel
Bearing

CTRБ for Wagons

6x11 Class 'E' Cartridge TRB



6-1/2x9 Class 'K' Cartridge TRB

Spherical Roller Bearing - Passenger**Coaches (MG, BG and EMU)**22320C3C3,
22326CC3 &
22328BL1C3

(Direct Mounted Type)

**Axle Box for Locomotive****NBC Traction Motor Bearings for Locomotives****Pinion End Bearings**

- TS2- NU330 CL1BXCS188PX4
- TS2- NU326 CL1BXCS186PX1

**Commutator End Bearings**

TS2- NH324 L1BCS175MP6
 TS2- NH320 CL1BX2CS123PX1
 TS2- NUP318 CL1BXC4PX1
 TS2- NH318C L1BXC4PX1

High Speed Passenger & Freight Locomotives

X-105, X-141 (WDM2C, WAG5B, WAM4),
 X-197, X-198 (With CRU) (WDM3A, WDG3A, WDM3D), X-122 (WAP1, WAP4), X-119,
 92-4271C (WDM2A, 2B), X-171, X-182 (WAG7, WDG2), X-174 (WDP1), X-149, X-180 (WDP2, WAP3) etc.

Shunting Locomotives

92-4204A (Floating Type)
 92-4277A (Non-Floating Type)

Meter Gauge Locomotives

92-4253 (YDM-4)

Large Diameter Bearing (LDB)

Bearing for Heavy Industrial Application



- Heavy Engineering
- Power plants
- Mining /quarry
- Steel
- Cement
- Coal
- Excavation equipment
- Construction
- Earth moving equipment



Needle Roller Bearings (New Product)



Needle Roller & Cage Assembly For Connecting Rod Bearings

- Special coating on cages for lubrication requirements
- Precision accuracy
- Special heat treatment on rollers for contaminated environment
- Special polishing process on cages for smooth needle rotation

Needle Roller And Cage Assembly

- Special surface treatment for wear and corrosion resistance
- Special heat treatment on rollers for contaminated environment
- Special polishing process on cages for smooth needle rotation

Machined Ring & Shell Type Needle Roller Bearings

- Special steel and heat treatment for high load carrying capacity
- Special profile of Rollers
- Special Heat Treatment of Rollers

Needle Roller And Polyamide Cage Assembly

- Special design features :
- Light weight ,
- High speed,
- Low friction

Quality Certification

TPM Excellence Award
2008



2008
Occupational Health & Safety
2014, 2020



OHSAS 18001 (2014)

ISO 45001 (2020)



Quality Management System

Environmental System
2000



Railway Certification
2005, 2015



AAR M-1003 (2005)

ISO/TS 22163 (IRIS) – (2015)





The company won the ACMA (Automotive Component Manufacturers Association) awards in 2012 for excellence in technology and manufacturing, among other significant recognitions.



Confederation of Indian Industry - Eastern Region (CII-ER) Award for Industrial Innovations (top 25)

Global Quality Awards

Deming Award 2010



Deming Grand Prize 2015



The Deming Prize is one of the highest awards on TQM (Total Quality Management) in the world that recognizes both individuals for their contributions to the field of Total Quality Management (TQM) and businesses that have successfully implemented TQM.

CUSTOMERS BANK ON US



Introduction to KINEX BEARINGS

NBC acquired Kinex bearings in January, 2020

- Headquartered in Bytca, Slovakia
- Over 100 years of history in engineering

COMPANY STRUCTURE

- Bearings Machinery

HISTORY AND TRADITION

- The plant in Bytča has over 100 years of tradition in engineering industry

APPLICATIONS



Automotives

2/3 wheelers,
Cars, Trucks Tractors
and Trailers



Industrial

Electrical motors,
Heavy Industrial
Plants, Bulldozers,
Power plants
and cement Plants



Railways

Wagons, Coaches
and locomotives



AUTOMOTIVE OEMs

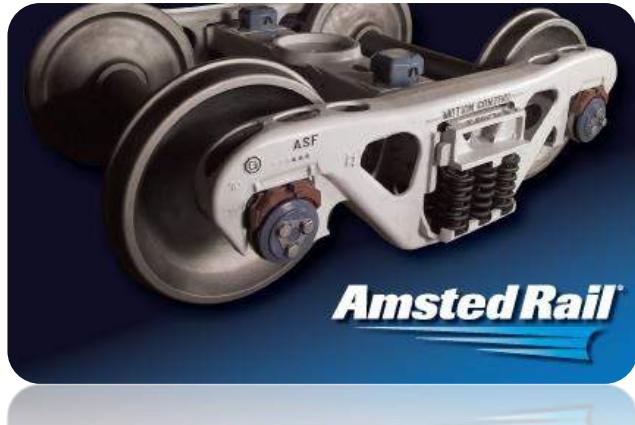


Supplier of choice for premium Indian automotive OEMs



RAILWAYS





Indian Railways

Lifeline to the nation...

45% Share of Indian Railways axle bearings

Since 1982, supplying Cartridge Tapered Bearing for Rail Road Applications

Awarded with "IRIS" (International Railway Industry Standard) certification

Association Of American Railroads Quality Assurance Certification

INDUSTRIAL SECTOR



Major Industrial Customers

Cement Sector



Steel Sector



Construction and Mining



POWER SECTOR





INDUSTRIAL UTILITIES





TEXTILE INDUSTRY





Sintex
Industries Limited

K[®]
kanchan



Value through values
Sangam (India) Ltd.



RSWM Limited
an LNJ Bhilwara Group Company



Vardhamān AE
Threads



LMW[®]

Why Choose us?



9 best in class customer offerings aiming to minimize the mean-time between failure at competitive prices

Phase	Offering	Description
Pre-sales	Dedicated KAM	For managing demand generation, on-field interactions, coordination with dealer and MRO's PoC
	Consistent availability	Consistent availability of runner and repeater SKUs, lead time of xx days post receiving requirements from the MRO
	Supply & inventory mgmt.	Dedicated supply channel with dedicated dealer, inventory managed at plant site/dealer
	Customised application study for critical bearings	Application study for high impact critical bearings and supply post technical diligence
Post-sales	CBM set-up	Setting up of Condition Based Monitoring (CBM) system
	Technical workshops	Workshops on best practices for handling & fitment of bearings, with customized modules
	OTIF supplies	Assured on-time delivery in full
	Customer response mgmt.	Failure analysis and problem resolution via dedicated KAM and application engineer's support
	Portfolio mgmt.	Timely reviews of range offered to the industry and updation of portfolio

Reasons why customers choose us



India's largest bearing manufacturing company with a wide product range



Flexible and agile solutions to optimally cater to customer needs



Trusted by customers in over 30+ countries



Large product portfolio ranging from 06 mm bore to 2000 mm outer diameter



High-quality competitive products and true value for money



Preferred bearing brand of Indian and Global Automotive OEMs and Railways



Only bearing manufacturer in the world to get Deming Grand Prize



Thank You

Follow us on:



www.nbcbearings.com

The material and information contained here are for general information purpose only. You should not rely upon the material or information provided herein for any basis for making any business, legal or other decisions.

Fair usage: This material might contain some copyrighted material, the use of which has not always been specifically authorised by the copyright owner. We have given the source information, wherever available. All product and company names are trademarks™ or registered® trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them.

While we make every endeavour to keep the information accurate and correct, National Engineering Industries Ltd. makes no representations and warranties of any kind either express or implied about the correctness, accuracy, suitability, reliability or productivity with respect to information or concepts contained in the presentation for any purpose. Any reliance on such material is solely at your risk and consequences.

