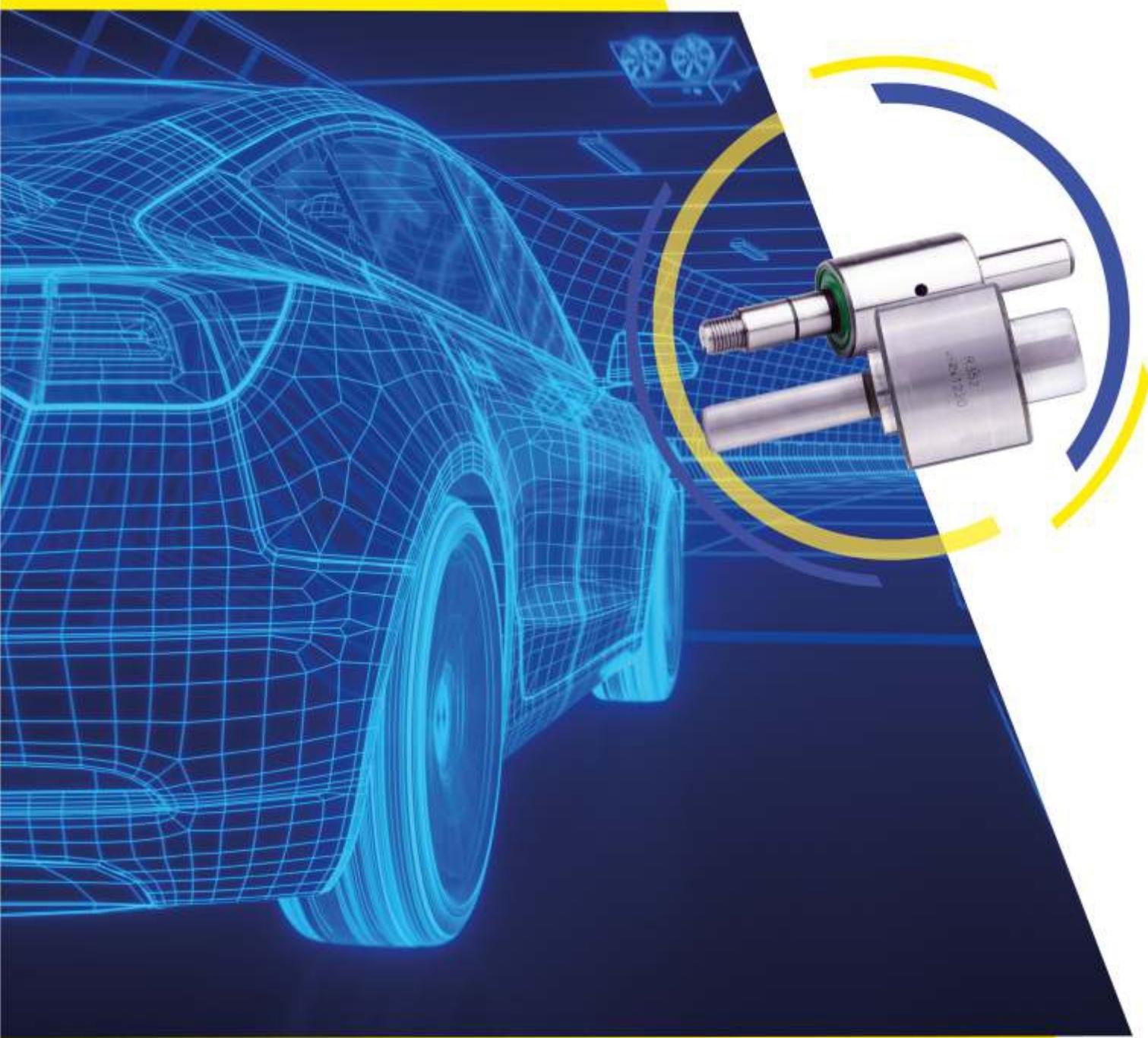




CKA Birla Group |



**EFFICIENT ENGINES  
MAKE FOR  
SMOOTHER JOURNEYS!**



**Bearings for Automotive Water Pumps**

Founded in 1946, NBC is India's first bearings manufacturer and the last word in quality and durability. In 2020, the company acquired leading European manufacturer, Kinex Bearings to further boost its expertise.

75 years since its beginning, NBC remains India's leading bearings manufacturer and exporter. NBC is also the world's only bearings manufacturer to receive the prestigious Deming Grand Prize for Total Quality Management.





## AUTOMOTIVE WATER PUMP BEARINGS

Kinex Bearings specializes in the production of water pump bearings of combustion engines for the automotive industry. The rolling bearings are assigned for OEM customers and reparation in passenger cars, trucks and tractors.

Kinex Bearings, Slovakia has shared its technology with NBC Bearings India for the production of integral shaft bearings for automotive application. With the rich experience in design and development of bearings, the water pump bearings will be designed in Kinex Slovakia and the the production will be done in NBC Bearings India. With the state-of-the-art production facility of NBC Bearings in India, the Indian market will be served by NBC Bearings to ensure highest standards of quality.



# OEM & TIER 1 REFERENCES

- Alfa Romeo
- Chrysler
- Fiat
- GAZ
- Jeep
- Kamaz
- Mack Truck
- Concentric
- GPM
- Kirpart
- KSPG
- Melling
- O.M.P.
- TZA
- Nissan
- Renault
- UAZ
- Volvo
- Pierburg Group
- Sogefi Group
- TCG Unitech



## SEGMENTS SERVED

TWO-WHEELER  
ENGINES

PASSENGER  
CARS

COMMERCIAL  
VEHICLES

AGRI  
EQUIPMENT

OFF HIGHWAY &  
CONSTRUCTION  
MACHINERY

# TECHNOLOGY CENTER

With global consultancy, university partnerships, as well as a strong in-house R&D team, NBC is always one rotation ahead in the world of bearings.

Technology centres in Germany, Slovakia and Jaipur are equipped with best-in-class facilities to innovate and create bespoke solutions for customers around the world.

## PROTOTYPE SHOP



## MEASUREMENT LAB



**Modeling & Simulation:** More accurate, in-depth static, dynamic and fatigue analysis is conducted by using Finite Element Analysis, simulation and mathematical modeling for designing new products and in optimizing customer design, thus meeting stiffness and life requirements.

## PRODUCT TESTING LAB

NBC has the best facility within India for testing. The dust-proof environment of the product testing laboratory consists of Simulation Rigs, Endurance Life Test Rigs & Seal Performance Test Rigs.

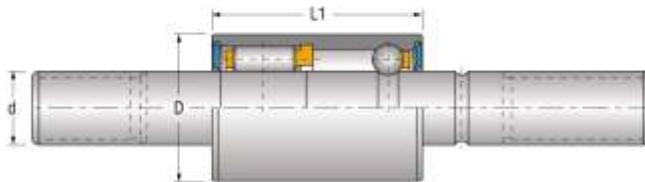


## ADVANCE METALLURGY & TRIBOLOGY LAB

Detailed analysis for microscopy is done by using latest equipment to ensure clean steel supply. The experienced team designs new heat treatment processes for improved product performance.

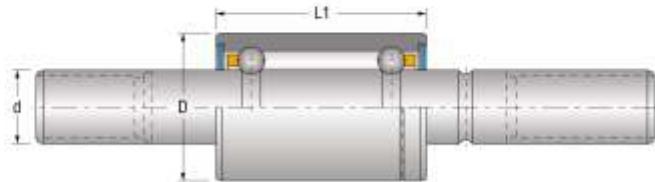


# WATER PUMP BEARINGS



Special double-row bearings type „R“

D (mm)	L1 (mm)	d (mm)
24	26.9	12.008
28	20.0-27.0	17.200
30	27.0-52.0	15.000
30	229-52.0	15.918
30	27.0-52.0	16.000
30	27.0-52.0	17.200
30.254	38.9-52.0	15.918
35	38.9-56.0	18.961
36	40.0-56.0	18.961
38	41.1-54.1	18.961
40	38.9-52.5	18.961
40	38.9-52.5	20.000
41	38.9-52.5	20.000
42	32.0-52.5	20.000
47.587	69.85	25.362
47.625	54.1-69.9	25.400
52	53.5	25.000



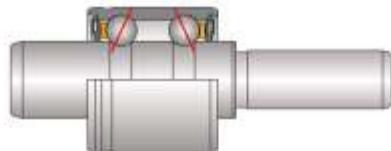
Special double-row bearings type „K“

D (mm)	L1 (mm)	d (mm)
24	19.9-33.5	12.000
26	30.0-40.0	12.000
28	20.0	15.918
30	22.0-59.0	15.000
30	22.0-59.0	15.918
30	22.0-59.0	16.000
30	22.0-59.0	17.200
32	45.0	16.000
34	30.0-47.0	17.000
35	29.9-46.0	15.918
35	29.9-54.0	16.000
35	29.9-56.0	17.500
36	30.0-60.0	16.000
36	30.0-60.0	17.000
36	30.0-60.0	18.961
36	30.0-60.0	20.000
38	38.9-58.0	18.961
40	38.9-62.0	15.918
40	42.0-62.0	17.000
40	42.0-62.0	18.961
40	24.0-25.0	19.012
40	42.0-62.0	20.000
40	22.0	24.500
42	42.0-46.0	16.000
42	39.0	18.961
42	42.0-46.0	20.000
42	32.0	22.000
47	30.0-75.0	20.000
47	30.0-75.0	25.400
52	59.0	25.061

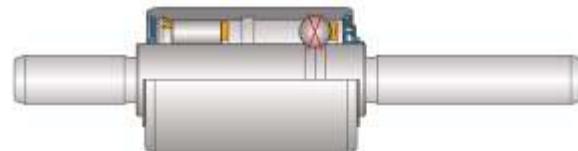


## BEARINGS INCLUDED IN OUR PORTFOLIO

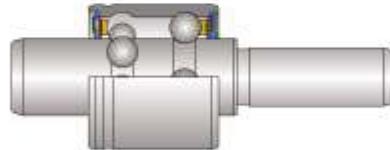
SPECIAL ANGULAR CONTACT BEARINGS



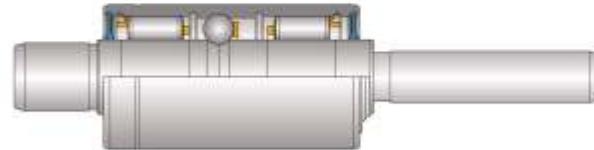
SPECIAL BEARINGS WITH 4-POINT CONTACT



SPECIAL ASYMMETRICAL BEARINGS

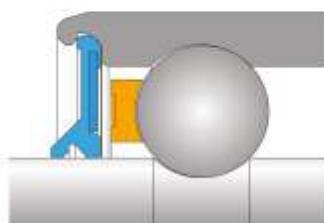


SPECIAL TRIPLE-ROW BEARINGS



## SEALS INCLUDED IN OUR PORTFOLIO

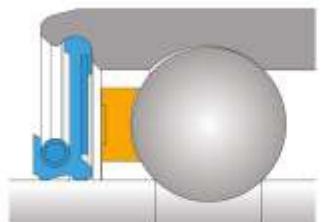
DOUBLE LIP SEAL



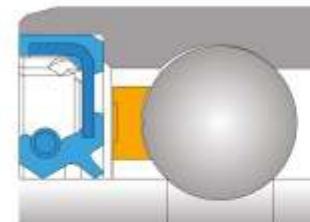
TRIPLE LIP SEAL



SPECIAL SEAL



ROTARY SHAFT OIL SEAL



# OUR GLOBAL REACH

## The NBC Bearings: Product, Technology & Services

NBC provides a wide range of bearings and associated service solutions to diverse industries such as Industrial, Automotive, Railways, and Aerospace. As a company that has been established for over 75+ years, NBC Bearings has an international presence with offices and R&D centers across the globe.

For us, engineering goes beyond manufacturing; it is the fusion of Product, Technology, and Services that make us different and the most preferred choice of our customers worldwide.



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