

# Company Profile



**mrs**<sup>TM</sup>  
B E A R I N G S



## The Company

“Founded in 1991, MRS Bearings Private Limited stands at the crossroads of tradition and innovation, specializing in the development and manufacturing of precision-engineered bearings that are the epitome of Reliability and Longevity. MRS Bearings are meticulously crafted to deliver unparalleled cost-effectiveness while ensuring extended operational life, making them indispensable to our customers.

With over 63 years of bearing expertise and 33 years of manufacturing excellence, our family-owned organization is fueled by a rich legacy of cultural values and engineering prowess. From our modest beginnings in Surendranagar, Gujarat, where we operated out of a 5,000-square-foot facility, we have grown into a cutting-edge manufacturing powerhouse. Today, we produce 10 million bearings annually, leveraging advanced European and American machinery across 180,000 square feet of state-of-the-art manufacturing facilities commissioned in 2019.

At the core of our Operations is a robust Quality System, fuelled by our relentless pursuit of Continuous Improvement, a vibrant Kaizen culture, and a motivated Team determined for Operational Excellence. Embracing Industry 4.0 principles, we seamlessly integrate smart manufacturing technologies with our deep engineering expertise to enhance Efficiency and Precision. Our Business Portfolio spans the Development, Production, and global Distribution of high-performance Roller and Ball Bearings under the esteemed MRS brand.”

The Company



# The Management

“Our philosophy is firmly anchored in the belief that true customer satisfaction comes from the unwavering delivery of uncompromising quality. In today’s rapidly evolving manufacturing landscape, MRS Bearings is not just adapting but leading the charge. We are fully embracing Industry 4.0 while maintaining the agility of our manufacturing lines to respond swiftly to market demands. As zero-defect manufacturing becomes the industry benchmark, we relentlessly refine our robust Quality Systems to consistently exceed customer expectations.”



## Vision

To create Value  
Sustainably through  
pursuit of Excellence,  
Quality & Delivery  
Performance



## Mission

Customer Delight by our  
Value- driven Friction  
Management Solutions  
To be the Preferred  
Reliable Supplier of  
Quality Bearings &  
Allied Products



## Quality Statement

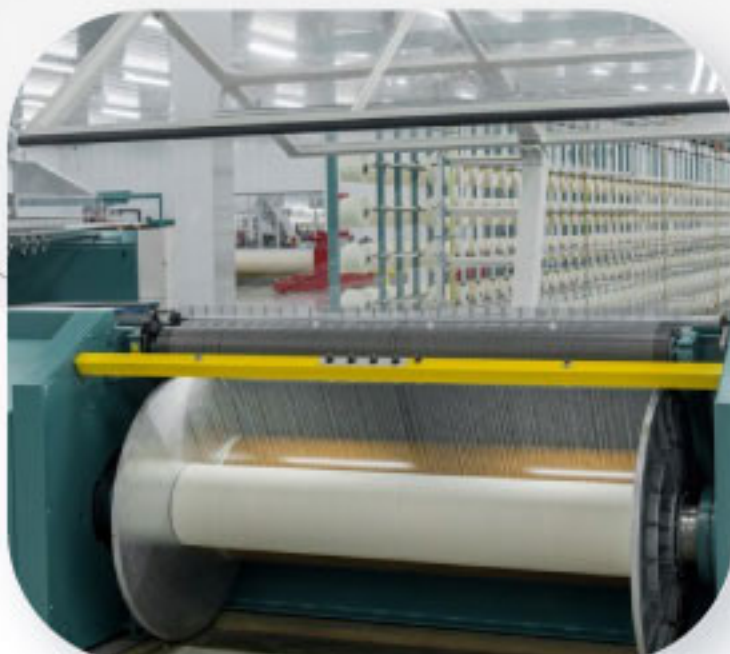
Through our  
Commitment on Quality-  
Products, Processes &  
Systems, we aim to  
foster Consistency,  
assure Reliability & be  
rewarded with  
Longevity



## Certification



IATF 16949: 2016  
ISO 9001: 2015





## Needle Roller Bearings

MRS produces standard as well as customised designed solid race needle roller bearings. Due to the improved design geometries and enhanced grinding processes, MRS needle roller bearings have proven to provide Value, specially with respect to its service life & smoother running characteristics over a wide range of applications.



## Cylindrical Roller Bearings

Different cylindrical roller bearings are capable to work for specific applications depending on the end- assembly needs & bearing construction. MRS follows the industry-wide global designated prefix for cylindrical roller bearings such as N, NU, NJ & NUP for easy interchangeability, along with a customised offering on cages made out of polyamide or steel. For low speed-high load rating requirements, MRS offers full complement cylindrical roller bearings used with floating, fixed or step design options to meet the demanding applications prone to relatively higher fatigue stresses.



## Spherical Roller Bearings

MRS spherical roller bearings are capable of running at high loads which can be accommodated by its unique internal geometries and the ability to sustain axial forces in both directions. The spherical roller bearings from MRS offer excellent self-aligning capability & are impervious to shaft deflections as well as misalignment of the bearing seats. MRS Spherical Roller Bearings are synonymous with durability & reliability, offering superior performance under heavy loads & challenging conditions.





## Drawn cup Roller Bearings

One of the highlights of MRS manufacturing is the highly efficient MRS drawn cup roller bearings range. MRS Drawn Cup Roller Bearings, a part of our needle roller bearing family, are specifically designed for compact spaces and medium-load applications. These lightweight bearings provide efficient performance while maintaining the same reliability associated with ground needle roller bearings, making them ideal for space-constrained setups.



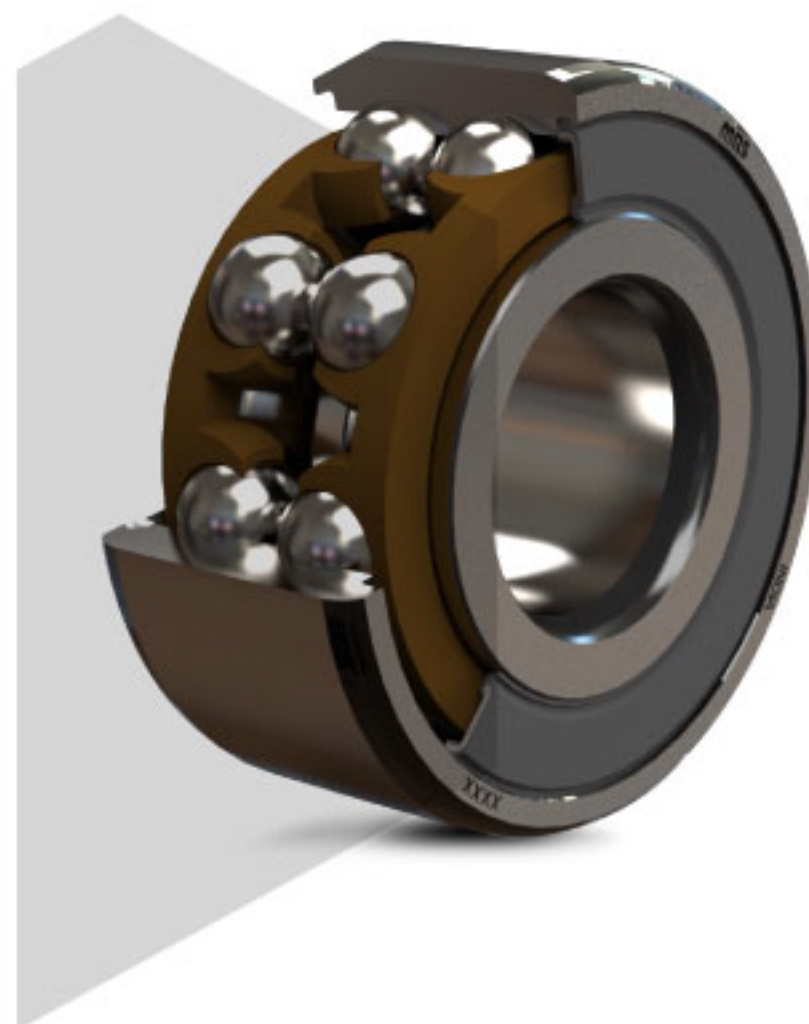
## Deep Groove Ball Bearings

MRS Deep Groove Ball Bearings are designed for high-speed operation with optimized performance and low noise, making them a dependable choice for various mechanical systems. The deep raceway grooves on the inner and outer rings provide excellent axial and radial load-carrying capacity. With super-finished raceways and high-grade steel balls, MRS Deep Groove Ball Bearings operate quietly with minimal vibration. Built for precision and durability, MRS Deep Groove Ball Bearings deliver smooth and long-lasting performance, even in the most challenging applications.



## Angular Contact Bearings

MRS manufactures precision angular contact ball bearings designed for high-speed, low starting torque applications where precision is key. With offset inner and outer ring raceways, these bearings can handle significant axial and radial loads simultaneously. Available in both open and sealed designs, they offer low rolling resistance, making them ideal for machine tools and other applications requiring rigid axial guidance and high performance. Double-row variants support axial loads in both directions, providing robust and reliable performance in demanding environments.





## Radial Cage Assemblies

MRS Radial Cage Assemblies are engineered to handle heavy radial loads with exceptional precision. Available in a variety of materials, including steel, reinforced glass fiber plastic, and brass, these pre-assembled Radial Cage units are ready for immediate installation. MRS Bearings deliver robust & dependable performance in applications where both space and strength are essential, such as gearboxes and pumps. MRS Radial cage assemblies are particularly effective in scenarios where the shaft and housing bore can serve as raceways, allowing for compact bearing configurations with minimal radial space requirements.



## Axial Thrust Cage Assemblies

MRS Axial Thrust Cage Assemblies are expertly engineered to handle axial loads with outstanding reliability & precision, while having no capacity for radial loads. Consisting of a shaft washer, housing washer, rolling elements, & a cage assembly, these bearings feature raceways on the washer faces & are fully separable. Ideal for high-precision applications such as clutches & spindles, MRS Axial Thrust Cage Assemblies ensure long life & consistent performance, making them essential in demanding machinery.



## Roller Pins & Assemblies

MRS Roller Pins & Accessories enhance the comprehensive range of MRS Bearings by leveraging our in-house manufacturing capabilities. We provide a variety of modifications on needle rollers, including the standard BP, BPM, and BR series, all while adhering to strict geometrical tolerances. Our roller pins are precisely graded within 2-micron groupings, ensuring optimal performance and meeting the designed clearances of your assemblies for maximum efficiency.

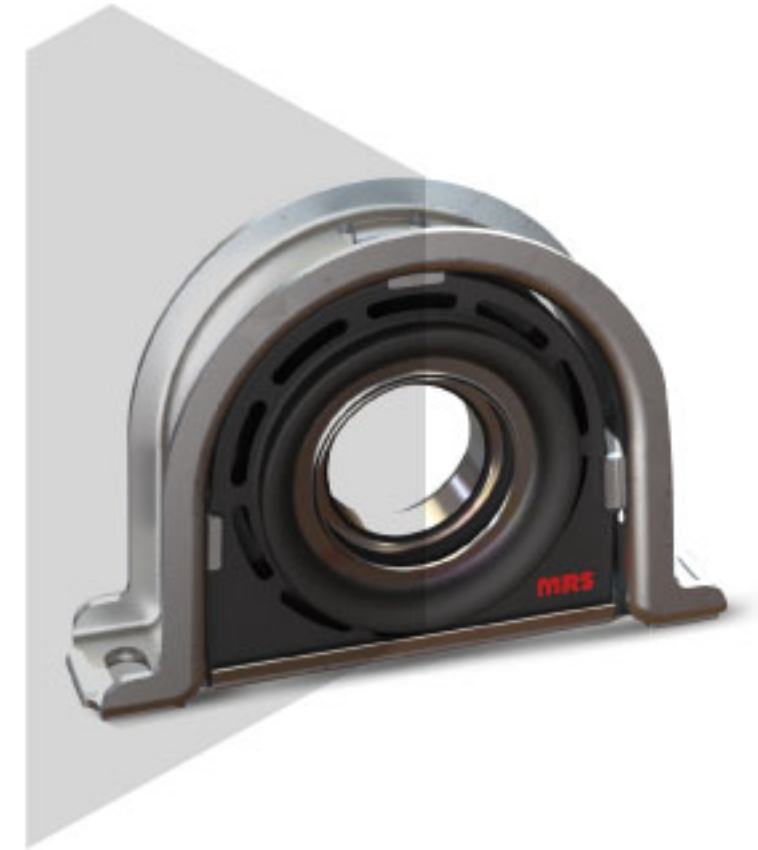




# **SPECIAL AUTOMOTIVE BEARINGS**

## **Center Support Bearings**

MRS Bearings are manufactured with extended inner ring & customised sealing arrangements allowing higher load capacities with minimal frictional torque and maintaining overall rigidity in the propeller shaft assemblies.



## **Clutch Release Bearings**

MRS clutch release bearing design has internal geometry to work at high speeds, to resist vibrations by damping characteristics and to operate at high temperatures.



## **Steering Assembly Bearings**

Super finished angular curvature ball contact steering bearings made by MRS ensures flawless rotational experience on either sides of the steering wheel.



## **Brake Assembly Bearings**

Precision press components with super finished rolling elements make MRS Bearings suited for the next generation Brake Assemblies.





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- ▶ Product Reliability
  - ▶ Manufacturing Excellence
  - ▶ Exceptional Delivery Performance
  - ▶ System-Driven Approach
  - ▶ Fair-Value Pricing



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