

NAZ BEARINGS

by MENATEK

Self-lubricating bearings under the designation “NAZ” are all-terrain products engineered specifically to show constant ultra-high performance under heavy dynamic and static loads. These new generation bearings endowed with a robust liner technology and ultra-durable structure to complete two objectives; Survival of the vehicle on the battlefield and uninterrupted logistics.



• Safety First

Reliability is the core principle. NAZ Bearings have been developed to maintain its integrity under any circumstances. Every element have been tested vigorously under extreme conditions to ensure an uncompromised customer satisfaction.

• Customer Oriented Technology Development

We are here to serve. Every customer of ours has a unique perspective when it comes to creating battlefield solutions, therefore, generating a diverse pool of material and liner technologies for them to choose from is our duty. With customized material composition options and 4 different liner technologies, we are able to converge on any requirements laid out by the customer and maintain efficiency in both performance and cost, every time.

• Unmatched Quality

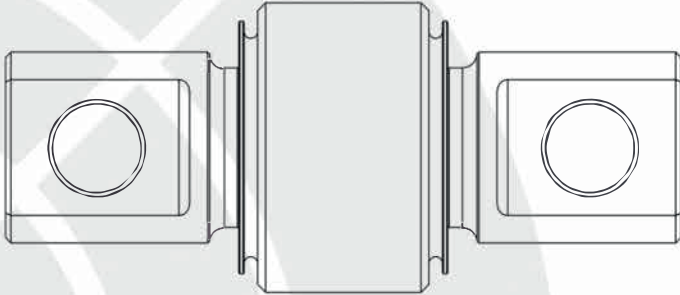
Raw material selection is the only fundamental factor affecting every aspect of the end product therefore every acquisition of material tested under the principle of excellence before sent to manufacturing.

• Armor-Grade Structure

Inspiration taken from modern armor designs applied to the manufacturing processes of the bearings leads to a material matrix with gradually changing hardness and ductility that ensures maximum dynamic load dissipation and minimize crack propagation.

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Bearing General Information	
Type	Self-Lubricating Maintenance Free
Subtype	Straddle , Spherical
Applications	Heavy Armored Vehicles High Speed Trains, Tramway and Metro Cars, Aerospace & Industrial Applications
Liner Properties	
Liner Compressive Strength	690 Mpa
Continuous Operating Temperature:	-50 °C to 160°C
Short Term Operating Temperature:	Up to 260°C
Debris - Dust Protection	Rubber Seal
Wear Pattern through liner body	Equally Distributed

Chemical Resistance	
Water	Excellent
Steam	Excellent
Salt	Excellent
Organic Chlorides	Excellent
Solvents	Excellent
Oil	Excellent
Metal Chlorides	Excellent
Strong Acids	Excellent
High Temperature Strong Acids	Good