

THE GGB ADVANTAGE



Improved performance and service life

Superior wear resistance and high shock load capacity provide extended bearing service life and improved reliability. Additionally excellent low friction properties reduce power losses for improved equipment performance.

Maintenance-free

GGB bearings are self-lubricating making them ideal for applications requiring long bearing life without continuous maintenance, as well as operating conditions with inadequate or no lubrication.

Lower system costs

GGB bearings reduce shaft costs by eliminating the need for hardening and machining grease paths. Their compact, one-piece construction provides space and weight savings and simplifies assembly.

Environmental

Greaseless, lead-free GGB bearings comply with increasingly stringent environmental regulations such as the EU ELV directive and RoHS directive restricting the use of hazardous materials in electrical and electronic equipment.



GGB Bearing Technology

GGB Bearing Technology, formerly Glacier Garlock Bearings, is the global leader in high performance bearing solutions. Through our extensive global production and supply network, we provide customers throughout the world with the industry's most comprehensive range of self-lubricating and prelubricated bearings for literally thousands of applications in hundreds of industries.

EnPro Industries, Inc.

GGB is part of EnPro Industries, Inc. (NYSE: NPO), a leading provider of engineered products for the global processing and general manufacturing industries. Based in Charlotte, North Carolina, USA, the company has 61 manufacturing locations worldwide.

For more information, visit the Technical Reference section at www.ggbearings.com or scan the QR code below with your smartphone.

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The Global Leader in High Performance Bearing Solutions



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HIGH PERFORMANCE BEARINGS FOR MINING EQUIPMENT



an EnPro Industries company

HIGH PERFORMANCE BEARINGS FOR MINING EQUIPMENT



Manufacturers of mining equipment rely on our metal-polymer and filament wound bearings for grease-free solutions, maintenance-free performance, and extended service life under harsh operating and environmental conditions. These bearings provide superior performance and lower cost of ownership without the need for complex automated greasing systems.

Our metal-polymer bearings offer exceptionally low friction and high wear resistance under a wide range of loads, speeds and temperatures, with or without external lubrication. Mining equipment applications include cutter heads in tunnel boring machines where they occupy less space than tapered roller bearings and provide impact tolerant performance, vacuum turning tables for producing tubing to reinforce tunnel walls, and vibrating screens for sorting ore by size. They are also used in axial roll units, conveyor belts and hoist systems for vertical shaft mines.



Featuring low-friction, wear-resistant linings, our composite filament wound bearings accommodate high static and dynamic loads, and their inert nature makes them suitable for corrosive environments. They are used in a variety of mining equipment applications, including swiveling belt conveyors for cutting head machines, crawler track systems, couplers for equipment attachments, conveyor belt idler stations, tunneling machine bogies and vertical roller mills for crushing mined materials. Other applications include high-speed, spinning wrenches for drill pipe and racks for brick production.

GGB PRODUCTS

The following products are particularly well suited to mining equipment applications:



DP4™ metal-polymer bearings offer excellent high wear resistance and low friction performance in heavy-duty, oil-lubricated applications, as well as in dry conditions, particularly under intermittent, stop/start operation with reciprocating and oscillating movements.



DP4-B™ bearings offer all the advantages of DP4 bearings plus the added benefit of an anti-magnetic bronze backing for improved corrosion resistance in hostile environments.



DX® marginally lubricated material for grease- or oil-lubricated applications provides optimum performance under relatively high loads and low speeds, and is suitable for linear, oscillating and rotating movements.



DX®10 with DuraStrong™ technology bearings are designed to extend the life and reduce maintenance costs of heavy-duty truck kingpins. Tough, abrasion-resistant sliding surfaces withstand even the harshest environments, while providing higher load capacity, greater heat resistance and significantly better wear rates than conventional kingpin bearings.



HI-EX® marginally lubricated material provides good wear and chemical resistance under thin-film conditions. It can be used with low-viscosity fluids and temperatures up to 250°C (480°F).



GAR-MAX® filament wound, composite material provides very good friction and wear properties, as well as high load capacity and excellent resistance to shock, misalignment, chemicals and contamination.



SBC™ self-lubricating, sealed bearing cartridges offer a maintenance-free alternative to greased bronze, hardened steel and rolling element bearings in off-highway equipment.