

THE GGB ADVANTAGE

Never grease again!



Greased bronze or steel bushes: messy, high maintenance, heavy and environmentally unfriendly.



GGB advanced composite bushes: clean, maintenance-free, lightweight and environmentally friendly.

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 43 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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Get a QR code reader
at <http://getscanlife.com>



an EnPro Industries company

The Global Leader in High Performance Bearing Solutions

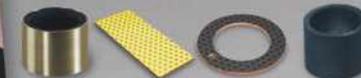


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HIGH PERFORMANCE BEARINGS FOR CONSTRUCTION EQUIPMENT



an EnPro Industries company

CONSTRUCTION EQUIPMENT



Critical clearance joints

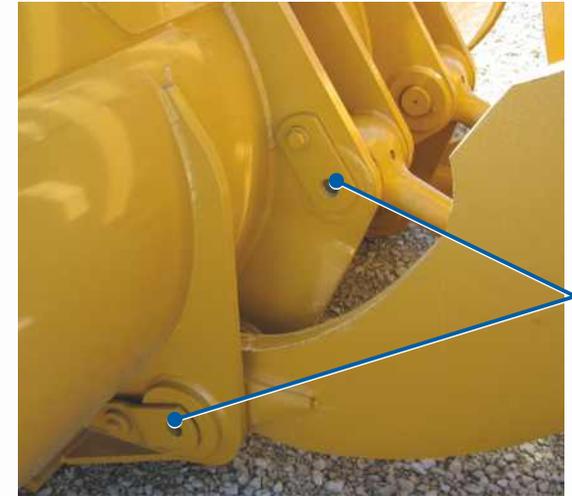
Among the industries we serve are the manufacturers of construction equipment, which rely on our filament-wound bearings for a grease-free solution, maintenance-free performance, and extended service life. These bearings provide superior performance and lower cost of ownership without the need for complex automated greasing systems.

The advantages they offer include the elimination of grease for reduced maintenance and more environmentally friendly operation. Their compact construction facilitates simple, secure installation. The bearings offer load capacities of up to 620 MPa with no shaft or pin galling, and excellent resistance to corrosion and tolerance of shock and edge loading. In addition they are dimensionally stable with low moisture absorption and no swelling.



Articulating joints

Steering cylinders



Linkage pins

Self-lubricating GGB bearings provide more reliable performance than traditional bronze bearings still used extensively in construction equipment applications, where they are subjected to friction and wear during periods of marginal and boundary lubrication.

GGB Products

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



DU[®] self-lubricating material provides good wear and friction performance over a wide range of loads, speeds and temperature conditions. It also performs well with lubrication.



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



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.



DP4[™] self-lubricating lead free material offers low friction and wear resistance under dry and lubricated conditions and gives excellent performance in pumps, hydraulic cylinders, frame, pedal, cab and seat pivots and steering systems.



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.



EP[™] series of injection-molded, solid-polymer bearings provide low friction and excellent wear resistance under both dry and lubricated conditions in a wide range of applications. They are available as cylindrical and flange bearings, thrust washers and custom parts.



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).



DX10[®] with DuraStrong[™] technology bearings are designed to extend the life and reduce maintenance costs of heavy-duty truck kingpins. Tough, abrasion-resistant sliding surfaces wear better than conventional kingpin bearings.



DTS10[™] self-lubricating machinable material provides low friction and excellent resistance to wear, chemicals, cavitation, flow erosion and fatigue in lubricated hydraulic applications.