



## The GGB Advantage

System cost savings from reduced component size and weight, increased fuel efficiency and lower maintenance.

### REDUCED MATERIAL COSTS

Slim, compact bearings reduce housing and shaft dimensions, enabling substantial space and weight savings and lower raw material costs.

### REDUCED NOISE AND ASSEMBLY COSTS

The one-piece construction of GGB bearings provides quieter operation, simplified assembly and elimination of fitting damage.

### 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.

### LOW FRICTION, HIGH WEAR RESISTANCE

Low coefficients of friction eliminate the need for lubrication, while providing smooth operation, reducing wear and extending service life. Low friction also eliminates the effects of stick-slip or "stiction" and increases fuel efficiency.

### ENVIRONMENTAL

Greaseless, lead-free GGB bearings comply with increasingly stringent environmental and RoHS regulations.

### CUSTOMER SUPPORT

GGB's flexible production platform and extensive supply network assure quick turnaround and timely deliveries. In addition, we offer local engineering and technical support.

## Your Complete Bearing Solutions Provider

GGB offers a comprehensive selection of plain bearing solutions to meet the world's most demanding bearing needs. We manufacture Metal-Polymer, Engineered Plastics, Fiber Reinforced Composite, Metal and Bimetal bearings, along with a range of supporting assemblies, bushing blocks and thrust plates. Industries served include:

- [Automotive](#)
- [Aerospace](#)
- [Industrial](#)
- [Construction](#)
- [Agriculture](#)
- [Railroad](#)
- [Recreational](#)
- [Energy](#)
- [Fluid Power](#)
- [Primary Metals](#)

### GLOBAL FOOTPRINT

GGB has manufacturing, sales, service and support locations around the globe. This vast network of resources and expertise enables us to respond promptly to your bearing needs wherever you do business.

### GGB North America

P.O. Box 189  
700 Mid Atlantic Parkway  
Thorofare, New Jersey 08086  
Tel. +1-856-848-3200  
Fax +1-856-848-5115  
usa@ggbearings.com  
www.ggbearings.com

©2017 GGB. All rights reserved.  
GGB®, DTS10®, DX®, DX\*10, GAR-MAX®, and HI-EX® are registered trademarks of GGB and its affiliates

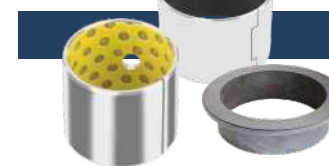


an EnPro Industries company

The Global Leader in High Performance Bearing Solutions



FL903ENG02-17HN



## High Performance Bearing Solutions for Construction Applications

The Global Leader in High Performance Bearing Solutions



an EnPro Industries company



**GGB designs and manufactures a complete line of self-lubricating, maintenance-free bearings and bearing assemblies for construction equipment. Lighter, smaller and more durable than conventional roller and needle bearings, plain bearings allow equipment manufacturers to reduce the size and weight of their assemblies while also reducing warranty claims and cost of ownership. And with no moving parts, GGB plain bearings are not as susceptible as rolling element bearings to dirt and other debris commonly found on construction sites.**

**APPLICATIONS:**

- Transmissions
- Kingpins
- Steering cylinders
- Hydraulic cylinders
- Blade leveling cylinders
- Wheel pitching mechanisms
- Articulating joints
- Linkage pins
- Rear rippers
- Bucket pivots
- Drill pivots

**GGB Products**

From extreme loads and impacts to excessive corrosion and friction, construction applications present bearings with some of the most challenging conditions imaginable. Designing equipment to withstand these challenges requires careful forethought and precision-manufactured components. GGB bearing solutions are engineered with these conditions in mind, to increase your peace of mind.



**HSG**

Fiber reinforced composite with an exceptionally high static load capacity, excellent shock, contamination and misalignment resistance, and very good friction and wear properties.



**GAR-MAX®**

Fiber reinforced composite material provides very good friction and wear properties, as well as high load capacity and excellent resistance to shock loads, misalignment, chemicals and contamination.



**HI-EX®**

HI-EX® 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) and can be supplied with grease indents or plain sliding layer for hydrodynamic applications.



**DX®10**

DX®10 bushings extend the life and reduce maintenance costs of heavy-duty kingpins. Tough, abrasion-resistant sliding surfaces withstand even the harshest environments, while providing higher load capacity, greater heat resistance and significantly lower wear rates than conventional kingpin bearings.



**DTS10®**

Self-lubricating and machinable, DTS10® provides low friction and excellent resistance to wear, chemicals, cavitation, flow erosion and fatigue in lubricated hydraulic applications. It also complies with the EU ELV Directive and RoHS regulations.



**DX®**

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



**DP4**

Self-lubricating, lead-free material offers low friction and high wear resistance under both dry and lubricated conditions, providing excellent performance in pumps, hydraulic cylinders, steering systems and frame, pedal, cab and seat pivots.



**DP31**

Lead-free metal-polymer bearing that offers excellent friction and wear performance in lubricated applications, excellent flow erosion and cavitation resistance, and very good fatigue strength.

For additional market/product offerings, go to <https://www.ggbearings.com>