The GGB Advantage

LOWER SYSTEM COST
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.

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" during startup.

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.

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

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

PUSHING BOUNDARIES TO CO-CREATE A HIGHER QUALITY OF LIFE

GGB offers a comprehensive selection of products to meet the world's most demanding surface engineering needs. We manufacture metal-polymer, engineered plastics, fiber reinforced composite, metal and bimetal bearings, along with a range of tribological TriboShield® Polymer Coatings.

Our products are used in tens of thousands of critical applications every day on our planet. It is always our goal to provide superior, high-quality solutions for our customers' needs, no matter where those demands take our products. From space vehicles to golf carts and virtually everything in between; we offer the industry's most extensive range of high performance, maintenance-free bearing solutions for a multitude of applications.

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 BY TIMKEN

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GGB BY TIMKEN

High Performance Bearings for Packaging Machinery

PACKAGING MACHINERY

Among the industries we serve are manufacturers of packaging machinery, where the durability and maintenance-free properties of our bearings make them ideal for use in a variety of applications. GGB bearings can withstand high loads, speeds and temperatures, and resist the corrosive effects of frequent cleaning with chemicals and disinfectants. They also provide high positioning accuracy for minimum play.

Applications in which they are used include automatic baggers where they support roller pins on conveyor feed systems; bag fillers where they are used to hold bags open and in the right position during the filling operation; case erectors where they serve to erect trays for multi-pack foods and other products; and palletizing machines where they act as pivot bearings.

In addition, our bearings are used in the filling and sealing units for pet food packaging machines; pharmaceutical labelers where they help guide the strips of labels; pressure thermoformers where they support the press that shapes the heated plastic; roller adjustments for carton printing and die cutting machines; and die plates for deep-drawing tools for can production. They are also used in machinery for producing cosmetic and mass market packaging; horizontal form, fill and seal machines; and packing machines for vegetables, among others.

GGB PRODUCTS

The following products are particularly well suited to packaging machinery applications.
Contact your local GGB sales representative for bearing product selection and design assistance.

DP4®

DP4® self-lubricating bearings are suitable for dry operation, which eliminates the need for greases and oils. DP4® bushings are resistant to high loads for extended operating life and the low friction PTFE-based overlay enables smooth operation.

DP4-B

DP4-B bearings offer all the advantages of DP4® bearings, plus the benefit of the corrosionresistant bronze backing, which makes them ideally suited for use in the presence of liquids or in aggressive environments.

DX®

DX® marginally lubricated bearings allow reduced maintenance intervals and provide optimum performance under high loads and low speeds under linear, oscillating and rotating movements.

GAR-MAX®

GAR-MAX® self-lubricating bearings provide exceptional performance under heavy load and slow speed, offering excellent resistance to shock, misalignment, chemicals and contamination.

GAR-FIL

GAR-FIL self-lubricating bearings operate under moderate speed and heavy load, offering low friction, resistance to chemicals and contamination.

GGB-CBM®

GGB-CBM® self-lubricating and maintenance-free bearings offer a choice of metallic backings (stainless steel, carbon steel or bronze) and is engineered with a homogeneously distributed solid lubricant (graphite) in the sliding layer. Offers high load and temperature capacity. Lead-free alloys are also available.

EP®

EP® bearings provide good performance in dry working conditions and in lubricated or marginally lubricated applications. Corrosion resistant in humid/saline environments, the EP® bearing is available in unlimited dimensions and design features.

EP®22

EP®22 bearings offer very good performance in marginally lubricated applications and good performance in dry working conditions.
Available in unlimited dimensions and design features, this bearing is ideal for humid/saline environments.

EP®43

bearings offer very good performance in dry working conditions and good performance in lubricated or marginally lubricated applications.