

GGB Bearing Technology

Your single source for plain bearings



Procurement of bearings can become complex and costly when purchasing from multiple sources. Among the factors to consider when selecting a bearings supplier are global production and supply, breadth of products, custom capabilities, technical support, quality assurance, R&D, testing and others.

Single sourcing offers a number of advantages over procurement from multiple suppliers. Batching multiple parts typically results in lower pricing. Consistent quality and compliance with international and customer standards can reduce quality audits, while a smaller supplier base can yield significant administrative savings.

Yet many companies continue to use multiple suppliers so they can purchase individual items at the lowest possible price, when in fact they are increasing operating costs, more than offsetting any per-part savings realized. Variations in product design and quality further mitigate against multi-supplier arrangements.

The GGB Advantage

Formerly Glacier Garlock Bearings, GGB has been manufacturing plain bearings for nearly 100 years, dating back to the early part of the last century when our predecessor companies, U.S.-based Garlock Bearings and U.K.-based Glacier Antifriction Metal Company, began producing bearings for the fledgling automotive industry.

Today GGB is the world's market leader in plain bearings, offering the industry's broadest line of products, both standard and custom, manufactured globally to the same standards. We also offer the industry's most extensive tribological experience and expertise, most advanced materials, most innovative products, most sophisticated R&D and testing facilities and, perhaps most important, local applications engineering and technical support.

Our principal product lines include:

Metal-polymer bearings: We offer the broadest line of self-lubricating and pre-lubricated plain bearings including our industry-standard DU® and DX® products.

These innovative plain bearings offer proven performance in an installed base that includes many of the world's largest, most respected companies.

Solid-polymer bearings: Our injection-molded solid-polymer bearings work in a wide range of both dry and lubricated operating conditions. Made of high-quality materials, the bearings exhibit excellent dimensional stability, low coefficients of friction, high compressive strength and creep resistance, low thermal expansion and good thermal conductivity.

Available in broad standard ranges we also offer custom assemblies.

Filament-wound bearings: Our extensive line of filament-wound composite bearings meets the high-load, low-wear requirements of a wide variety of applications. These bearings assure low friction in dry applications and offer an eco-friendly solution with a low cost of ownership. Our standard range of high-strength GAR-MAX® bearings are perfect for industrial applications.

Metal bearings: Designed for lubricated applications, our bimetallic bearings are suitable for use in a wide range of operating conditions. Steel-backed SYTM and SPTM bearings are perfect for many industrial applications and are also suitable for oil and grease lubrication. Our monometallic bearings come in a range of oil-impregnated sintered bronze and solid bronze bearings. The cast bronze structure and solid lubricant inserts of DBTM bearings make them ideal for industrial applications both on land and underwater.

Bushing blocks: GGB has manufactured bushing blocks for hydraulic external gear pumps and motors for more than 40 years and produces millions of them annually. This success is a result of our ability to employ in-house competences to integrate the different components required by the application.