



## Your Complete Bearing Solutions Provider

For more than one hundred years, GGB has been a pioneer in the development of plain bearing technology. We offer a comprehensive selection of plain bearing solutions to meet the world's most demanding bearing needs. Our product line comprises 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:

- Solar Power
- Aerospace
- Automotive
- Fluid Power
- Industrial
- Primary Metals
- Construction/Agriculture
- Recreation

### GLOBAL FOOTPRINT

GGB operates manufacturing, sales, service and support locations around the globe. This vast network of resources enables us to respond promptly to your bearing needs wherever you do business. Our dedicated team of experts provides innovative, reliable and effective solutions in both standard or customized designs. Our global management and manufacturing systems comply with all major international quality, environmental and safety standards and certifications.

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an EnPro Industries company

The Global Leader in High Performance Bearing Solutions



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## High Performance Bearing Solutions for Solar Power

The Global Leader in High Performance Bearing Solutions



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### The GGB Advantage

Reduce downtime and improve equipment performance

#### LOW FRICTION, HIGH WEAR RESISTANCE

Low coefficients of friction eliminate the need for lubrication while reducing wear and extending service life.

#### MAINTENANCE-FREE

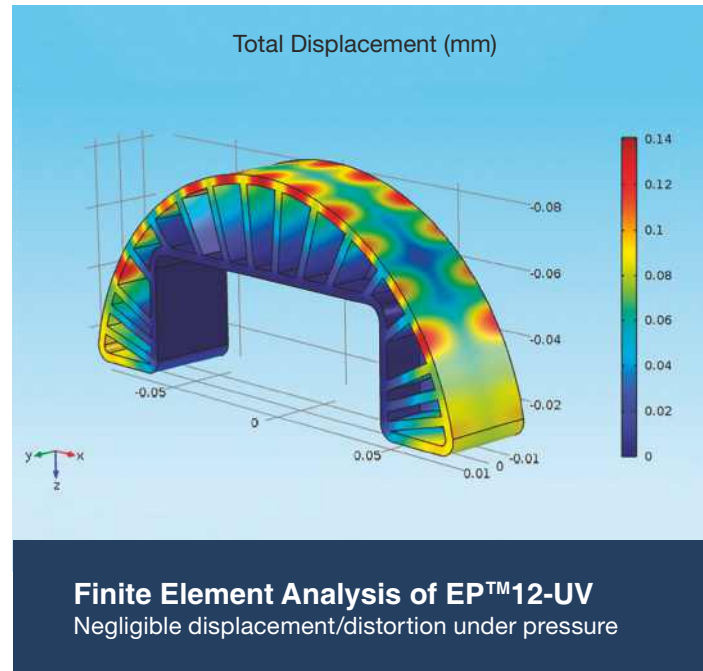
Ideal for applications requiring long bearing life without continuous maintenance or operating conditions with little or no lubrication.

#### LOWER SYSTEM COST

Reduce shaft costs by eliminating the need for hardening and machining grease paths. Compact, one-piece construction provides space and weight savings and simplifies assembly.

#### ENVIRONMENTAL

Greaseless, lead-free bearings comply with increasingly stringent environmental regulations such as the RoHS directive for electrical and electronic equipment.



## Exceptional Performance For Demanding Solar Power Applications

The new GGB EP™12-UV engineered plastics bearing was developed specifically for use in Photovoltaic (PV) solar power generation facilities with tracking solar panels. Based on the engineered plastics EP™12 bearing material, it features excellent UV and abrasion resistance in addition to a low coefficient of friction and lightweight design. All EP™ Series bearings are compliant with EVL, WEEE, and RoHS specifications. GGB also offers a range of fiber reinforced composite bearings for solar power production.

## Solar Power Bearing Solutions

Photovoltaic (PV) solar power facilities demand specialized bearing solutions that can withstand the intense UV rays and abrasive sand and dust common in the arid, windy environments ideal for solar power generation. GGB's highly specialized solutions offer mechanical characteristics that support accurate, smooth tracking with reduced wear, longer life, lower operational costs and increased overall system performance.

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



### EP™12

- Good dry, oil lubricated and grease lubricated operating performance
- Corrosion resistant
- Unlimited dimension and design features

Mechanical Properties

Material: POM + Solid Lubricant

Maximum specific load at room temperature  $P_{max}$ : 65 N/mm<sup>2</sup>

Operating temperature range : -40° C - 125° C

Coefficient of friction (dry): 0,18 - 0,30



### EP™12-UV

- All the benefits of the original EP™12, plus:
- UV resistant
- Abrasion resistant
- Lightweight
- Low coefficient of friction

Mechanical Properties

Material: POM + Solid Lubricant

Maximum specific load at room temperature  $P_{max}$ : 65 N/mm<sup>2</sup>

Operating temperature range : -40° C - 125° C

Coefficient of friction (dry): 0,18 - 0,30