



The GGB Advantage



SPECIALIZED FOR HIGH-TEMP APPLICATIONS

Built for applications that need to operate under extreme temperatures and loads, while providing superior corrosion resistance.



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 service life without regular maintenance or operating conditions with little or no lubrication.



ENVIRONMENTAL

Greaseless, lead-free solutions comply with increasingly stringent environmental regulations, including RoHS directive for electrical and electronic equipment.

Your Complete Tribological Service Provider

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 and polymer coatings along with a range of supporting assemblies, bushing blocks and thrust plates.

Industries served include:

- Aerospace
- Automotive
- Industrial
- Agricultural
- Construction
- Oil and Gas
- Energy
- Fluid Power
- Primary Metals
- Recreation
- Railway
- Solar
- Packaging

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 | <https://www.ggbearings.com/en>



FL0605ENG03-19USA

©2019 GGB. All rights reserved.
ProSlide™ 1100™ is a trademark of GGB and its affiliates.



PyroSlide™ 1100 Bearings

**HIGH-TEMPERATURE
PERFORMANCE IN EVERY DEGREE**

GGB, an EnPro Industries company

Beat the Heat With High-Temperature Performance Solutions

Extreme applications demand extreme performance. The number of industrial, automotive and aerospace applications that now operate under extreme temperatures is on the rise. But so is the demand for solutions that can withstand these higher-temperature thresholds.

GGB's new PyroSlide™ 1100 not only meets these industry expectations, it exceeds them. With high-temperature resistance—up to 800°C—and better corrosion and wear resistance with low-friction properties, it also helps lower operational costs and increase system performance. And it's self-lubricating so it's maintenance-free.

DESIGNED FOR EXTREME APPLICATIONS WITH HIGH-TEMPERATURE REQUIREMENTS AND HIGH LOAD CAPACITIES, SUCH AS:

- Jet engines
- Exhaust Heat Recovery Systems (EHRS)
- EGR valves
- Turbocharger Wastegate Valves
- Industrial and domestic ovens and furnaces
- Natural gas/ petrochemical valves
- And more

PYROSLIDE™1100

CHARACTERISTICS:

- High-temperature resistance
- Corrosion resistance
- High load capacity
- High wear resistance
- Low-friction properties
- Self-lubricating
- Maintenance-free



TEMPERATURE



MECHANICAL PROPERTIES	
Material	Powder Metal Sintered Alloy
Operating temperature range	Min: -50°C / -60°F Max: 800°C / 1472°F
Coefficient of friction (dry)	0.2–0.45 μ
Maximum static load (at 20°C / 68°F)	200 MPa
Maximum dynamic load (at 550°C / 1022°F)	10 MPa
Maximum dynamic load (at 750°C / 1382°F)	2 MPa

PyroSlide™

PRODUCT LINE TEMPERATURE RANGE

PYROSLIDE™

PyroSlide™ 1200*
1000°C / 1832°F

PyroSlide™ 1100
800°C / 1472°F

PyroSlide™ 900*
650°C / 1112°F

* in development



Partner With GGB

By partnering with you early in the design process, the GGB engineering team is able to review your assemblies and make sure both the bearing and surrounding components are optimized for performance and cost-effectiveness.

Contact your local GGB sales representative for product selection and design assistance.

To learn more, visit: <https://www.ggbearings.com/en>