



Reliable Tribology
When It Matters Most

 **GGB**
BY TIMKEN

Surface Engineering for Medical Equipment



In the [medical industry](#), reliable bearing components are keeping medical equipment performing optimally for extended periods of time. A patient's comfort and safety are a top priority, and noise-free solutions can keep a patient at ease during stressful times. GGB's reliable, self-lubricating surface solutions meet these demands.

DEPENDABLE SOLUTIONS EXCEEDING EXPECTATIONS

The moving parts in the medical industry, both literally and figuratively, are the source of adaption and advancements that improve medical professionals' ability to best serve their patients. Ranging from implementing innovational equipment advancements to simply improving the patient's comfort in your equipment, GGB has been advancing the medical industry for decades.



Self-Lubricating



Chemical Resistant



Noise Dampening



Easy to Install



RoHs Compliant



MEDICAL & HOSPITAL BEDS/STRETCHERS

GGB provides maintenance-free performance in multiple pivot points for adjusting hospital beds, in the cylinders that raise and lower their backrests and in the brake pedals.

GGB bearings also eliminate stick-slip in the hinges of examination tables and accommodate the high loads and intermittent operation of the articulating levers that control the positioning.



WHEELCHAIRS

GGB's Engineered Plastic Bearings have tested to be one of the best solutions for Wheelchair applications, specifically in the stem and axle.

Pivot points, folding mechanisms, wheel bearings, and ergonomic adjustments are a few of the additional applications GGB excels in.



MEDICAL VENTILATORS

Light-weight, self-lubricating [GGB FP® Engineered Plastics](#) bearings provide reliable performance in feed & dosing pumps, magnet solenoids, buckling arms, casters and height adjustments.



MONITORS

Patient monitoring systems are critical in providing high-level quality care at the exact time a patient needs it.

GGB's maintenance-free and [noise-free solutions](#) provide the smooth movement required in pivot arms and rotating joints to keep this vital information in perfect view.



DENTAL CHAIRS & SEATING

Our bearings are used in the adjustment mechanisms for dental chairs to optimize the comfort of both patients and caregivers.

They are also used in dental light fixtures and reflectors, which require maintenance-free performance, and in pneumatic tooling, where they are subjected to high speeds.



STAIR/CHAIR LIFTS

The dynamic nature and potential high loads of chair lifts makes a perfect case to introduce GGB's solutions. From bearings to tribological coatings, GGB has the answer to many of the challenges constantly interacting surfaces present.

Contact your local GGB expert and learn more about GGB's environmental friendly [Engineered Plastics](#) and [Metall-Polymer bearing solutions](#).



Low Friction and High Wear Resistance



No More Maintenance Necessary



Reduce System Costs, Improve Performance



Environmentally Friendly

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GGB offers high-quality, performance-proven bearings for a variety of applications in hospital and medical care equipment

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If you seek more from your existing system design, GGB can help you engineer your surfaces to deliver optimized tribology performance.

Contact your [local GGB sales representative](#) for bearing product selection and design assistance.

EP[®]22, EP[®]43, EP[®]63

[EP[®]22](#), [EP[®]43](#) and [EP[®]63](#) provide low friction and excellent wear resistance. Made of a variety of resins compounded with reinforcing fibers and solid lubricant, they exhibit excellent dimensional stability, high compressive strength and creep resistance, low thermal expansion and good thermal conductivity. These materials are available as standard parts or as customized engineered solutions.



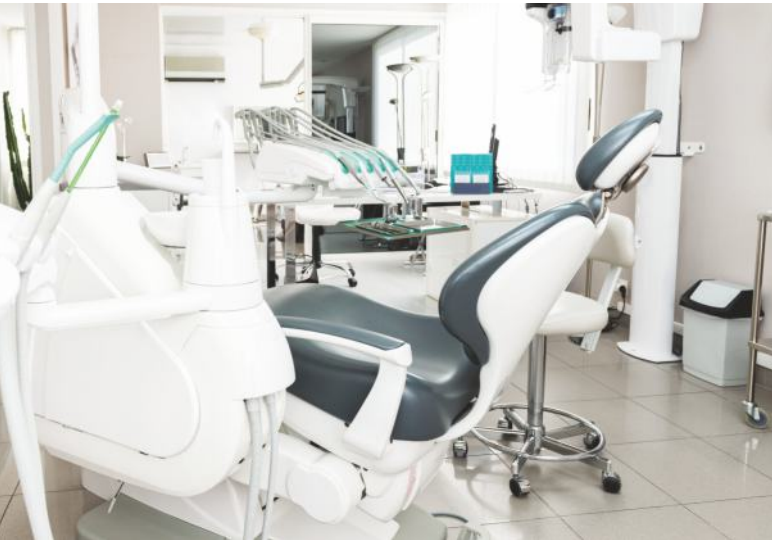
DP4[®], DP4-B

[DP4[®]](#) self-lubricating bearings offer high load and low wear performance to extend operating life and is suitable for dry operation. The low-friction bearing overlay enables smooth operation.

[DP4-B](#) bearings offer all the advantages of DP4[®] bearings, plus the added benefit of anti-magnetic, corrosion-resistant bronze backings. They perform well under dry conditions, particularly in applications with intermittent operation under reciprocating or oscillating movements.



PUSHING BOUNDARIES TO CO-CREATE A HIGHER QUALITY OF LIFE



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