TIMKEN



HIGH-PERFORMANCE PRODUCTS FOR HEAVY MOVEABLE STRUCTURES

GAIN CUSTOMIZED SOLUTIONS FROM TIMKEN® TO MEET YOUR DESIGN NEEDS

Timken products and services keep heavy movable structures moving – when they need to.

We strengthen those who design and service heavy movable structures, from drawbridges and lift bridges to swing bridges to lock and dam work and stadium roofs. How do we achieve it? Through our unmatched engineering expertise, service, product quality and consistency, and one of the broadest portfolios of bearing and industrial motion solutions in the world, including:

- Mounted and unmounted roller bearings.
- Gear, elastomeric and grid couplings.
- Torque limiters.
- Lubrication systems.
- Engineered chain.
- Gearbox design and service.

From new builds to maintenance work, we help keep your applications running efficiently through customized solutions that meet your design needs.

Timken Advantages

You are connected to a global team of design, application and service engineers that will work with you from the start to find or design a bearing that will meet your demands. We'll stand by you for the life of the equipment to ensure expectations are met.

- **Technical knowledge.** We know the heavy movable structures industry – designing bearings for a variety of applications for more than a century. Our experienced engineers know that each structure has its own design complexities. We partner with you to accomplish your goals and create bearings to meet the performance requirements and specification of your application.
- **Engineering expertise.** You gain a partner who understands the regulations and operational challenges you face. Every Timken product comes with access to our team of experts, who provide the industry's best design, application and field-engineering support.
- **Manufacturing excellence.** We implement our global quality standards in every manufacturing facility. Each bearing meets the same performance standards – no matter where it is manufactured.
- **Locally based – with world-class service.** Headquartered in the U.S., we have more than 30 manufacturing locations across the country making a range of roller bearings, housings, couplings and more to support U.S.-made content in heavy movable structures.

Gain Solutions That:

Solve problems.

Problem-solving is second nature for our team of application, sales and service engineers. You gain unrivaled engineering and technical support. We're a valued, technical partner – rather than a supplier – for our customers. We gain a deep understanding of your applications, success factors and key challenges. This know-how helps us solve your unique equipment challenges, resulting in extended uptime, productivity and efficiency.

Give you local engineering support – when you need it.

With Timken you have:

- Teams of application and service engineers across the U.S. at your disposal.
- Bearing repair services that can help reduce costs and strengthen your performance.
- The products that you need, when you need them, due to our U.S.-based operations and logistics.

Offer customization – when necessary.

Find the product you need. We have the flexibility to modify our current product range to meet your specifications and the demands of the heavy movable structures market.

COMPREHENSIVE SOLUTIONS FOR HEAVY MOVEABLE STRUCTURES



Timken® spherical roller bearings.

Increase productivity and uptime in your equipment. It's due to their optimized internal geometry and higher capacity, resulting in longer bearing life. They also run cooler, resulting in extended lubrication life and reduced lubricant usage.



Torque limiters.

Our heavy-duty torque limiters provide consistent torque levels to protect your equipment from damage or downtime. These reliable and accurate torque settings help reduce fatigue and component breakage due to driveline shock loads.



Timken® SAF mounted split-block housings.

Timken's mounted split-block spherical pillow blocks combine rugged cast iron or cast-steel housings with high-capacity spherical roller bearings to meet the toughest demands of heavy movable structures.



Lubrication systems.

Achieve higher productivity and lower operational costs with our dedicated automatic lubrication systems: Groeneveld-BEKA Lubrication Systems by Timken.



Couplings.

Our robust Lovejoy® couplings portfolio includes gear and grid couplings, which are designed to address critical operational challenges that may occur in heavy moveable structures.



Gearbox design and repair.

Without dependable, service-backed equipment, your movable bridge may be one issue away from transportation coming to a halt. That's why engineers have turned to Philadelphia Gear to power movable bridges.



SIZE RANGES THAT FIT HEAVY MOVABLE STRUCTURES

Easily find the best fit for your project. We offer a full range of spherical roller bearings and SAF mounted split-block housings from 1-3/16 in. to 50 in.



TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets bearings, gear drives, automated lubrication systems, belts, brakes, clutches, chain, couplings, linear motion products and related industrial motion rebuild and repair services.

Stronger. By Design.

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