TIMKEN



TIMKEN® SPHERICAL ROLLER BEARINGS INCREASE BEARING AND LUBRICANT LIFE IN SHAKER SCREEN APPLICATIONS

CHALLENGE

Very few industrial applications challenge bearing performance quite like shaker screens.

Day after day, this equipment manages high eccentric radial loads and rotational speeds under harsh conditions like extreme temperatures, severe contamination and moisture. Add in heavy vibration on the bearing cage and rollers, and you've got a formula for increased operating temperatures.

That's why shaker screen operators need a rigorous maintenance strategy with a supplier who has strong equipment knowledge – and even stronger products.

TIMKEN SOLUTION

Gain more of what you need from Timken and our portfolio of spherical roller bearings, with modifications to help them excel in demanding shaker screen operations.

Designed to handle misalignment, contamination, high radial loads – and whatever else may come their way – our spherical roller bearings can run up to 5° C cooler than the competition,* which helps extend lubricant life.

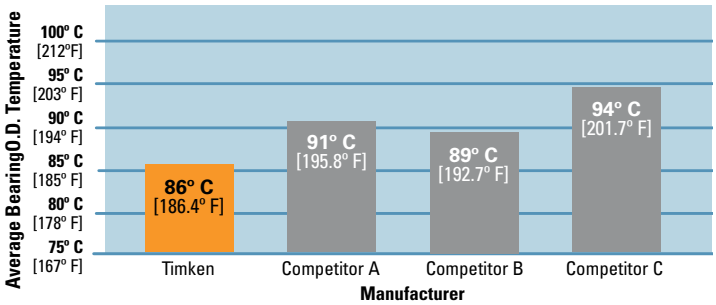
This performance is further enhanced by our W800 modification, which is standard for all our spherical roller bearings for shaker screens. And for good reason. It features tighter bore and outside diameter tolerance controls, along with a tighter radial internal clearance (RIC) range, in the upper two-thirds of the specified range. By better controlling the fit and clearances, bearing shaft and housing fits are better controlled and operating temperatures are reduced, leading to extended bearing life.

**All results are from head-to-head testing against multiple competitors.*



RESULTS THAT MATTER

With cooler operating temperatures and increased lubricant life, our spherical roller bearings can tout a 9% longer bearing life than our competitors. They're designed to the upper two-thirds of specified clearance to help ensure proper bearing operating temperatures. Plus, the reduced bore and outer ring tolerances help secure an improved inner ring fit onto the shaft and outer ring in the housing.



For more information visit timken.com/spherical or contact your local representative.

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.

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