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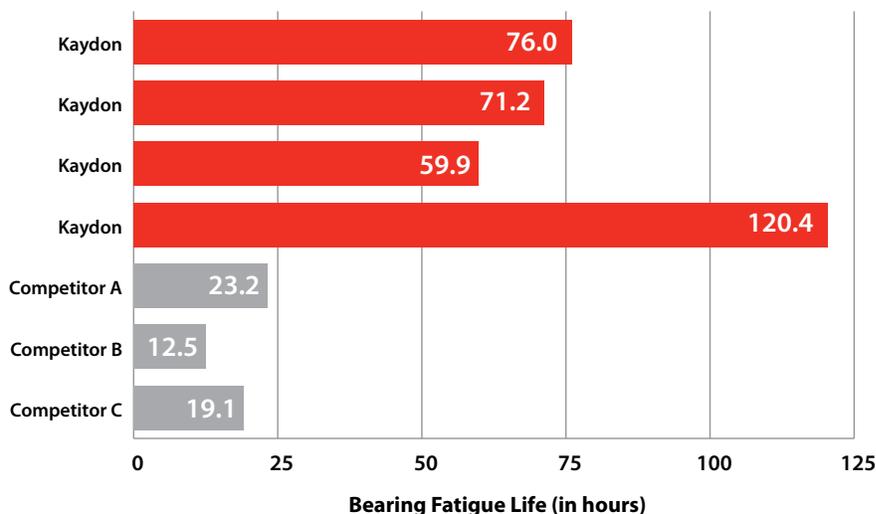


Kaydon **Thinfinite**® bearing solutions

How Reali-Slim® bearings outperform other thin section bearings

There are many reasons to choose Reali-Slim® bearings (*see other side*), but none is more critical than Performance. Design engineers know they can count on a Reali-Slim bearing not just to do its job well, but to do it longer than other bearings.

In side-by-side tests, Reali-Slim bearings consistently outperform other thin section bearings. In the series shown here, three competitors' bearings failed within 24 hours while the Kaydon bearings ran for up to 120 hours — more than five times longer.



Each test applied approximately 60% of a bearing's dynamic radial load rating to samples at a testing speed of 1,780 rpm. For comparability, each bearing had a 4-inch bore. (Competitors' bearings were obtained through distribution channels.)

Each test continued until automatic shut-off (150% of baseline vibration level) or until audible noise indicated possible bearing failure, then disassembled and inspected for spalling. After all were run to failure, the elapsed times were entered into Kaydon's Weibull analysis software to determine the fatigue life.

Kaydon
Thinfinite[®]
bearing
solutions



Why Reali-Slim[®] bearings?

Every Reali-Slim bearing is designed to meet or exceed specific application requirements, then manufactured with processes and materials that assure precision and long life. Details are in the Kaydon white paper, "Not All Thin Section Bearings Are Created Equal," developed from 2009 papers presented at ASTM and ASME/STLE technical conferences and reviewed by those organizations.* For a copy, scan the code below.

The superior performance documented on Page 1 is just one reason to specify Reali-Slim thin section bearings. Here are some other factors that make these premium products the bearings you can depend on, cycle after cycle:

Unsurpassed experience – No manufacturer knows thin section bearings like Kaydon, who invented them more than half a century ago. Proven in countless applications in a wide range of markets, the Reali-Slim brand continues to be the global leader.

Highest quality – Reali-Slim bearings are made with top-quality materials by skilled craftsmen, using the latest manufacturing and quality

control processes. Our strategically-located facilities have not only earned ISO 9001:2008 certification, but important industry and customer certifications, such as AS9100B for aerospace. The result: long service life that pays for itself by minimizing downtime.

Custom solutions – Kaydon Bearings has been optimizing bearing designs for over 70 years. With a combined 300 years of experience — 250 of them bearing-specific — our product engineers are uniquely qualified to help you meet whatever design challenge you face.

Technical support – We have 3-D CAD drawings, design software and more ready for download at our website, with a fully-equipped testing lab and global service network ready to support you as needed. Kaydon R&D facilities conduct in-house torque, vibration, sound, and environmental testing, just to name a few capabilities.

When it comes to thin section bearings, there's nothing like the real thing. Go with the original and global leader — specify Reali-Slim.



Rigorous testing confirms the superior performance of Reali-Slim bearings.

*Proceedings of the ASME/STLE International Joint Tribology Conference, IJTC2009, Oct. 19-21, 2009, Memphis, Tenn., USA - IJTC2009-15254



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