



High-Precision Ball Bearings

XTRAcoat



KAMAN

Specialty Bearings & Engineered Products

XTRAc Coat:

30% LOWER FRICTION THROUGH THE OLEOPHILIC COATING OF GRW

The Gebr. Reinfurt GmbH and Co. KG is well-known for **their high-precision ball bearings Made in Germany.**

GRW now puts a unique solution on the market.

XTRAc Coat ensures a decisive benefit for users:

With its oleophilic properties, it reduces the contact angle between the surface and the lubrication oil of the ball bearing by up to 80 percent.

The oil-binding **XTRAc Coat** consistently maintains **a minimum lubrication film thickness in the bearing.** According to recent testing results, this permits implementation of a permanent minimum oil quantities in the ball bearings.

The specially developed lifetime tests have clearly proven the effectiveness of **XTRAc Coat.**



LIFETIME TESTS HAVE CLEARLY PROVEN THE EFFECTIVENESS OF XTRAcOAT

In particular, applications where a consistently low friction and long-term stability of the measured values is required, can therefore profit of XTRAcOAT.

For example, anemometers or gas flow meters are predestined for this. Additionally, the use of XTRAcOAT also pays off in dental and medicine technology as well as in spindle ball bearings.

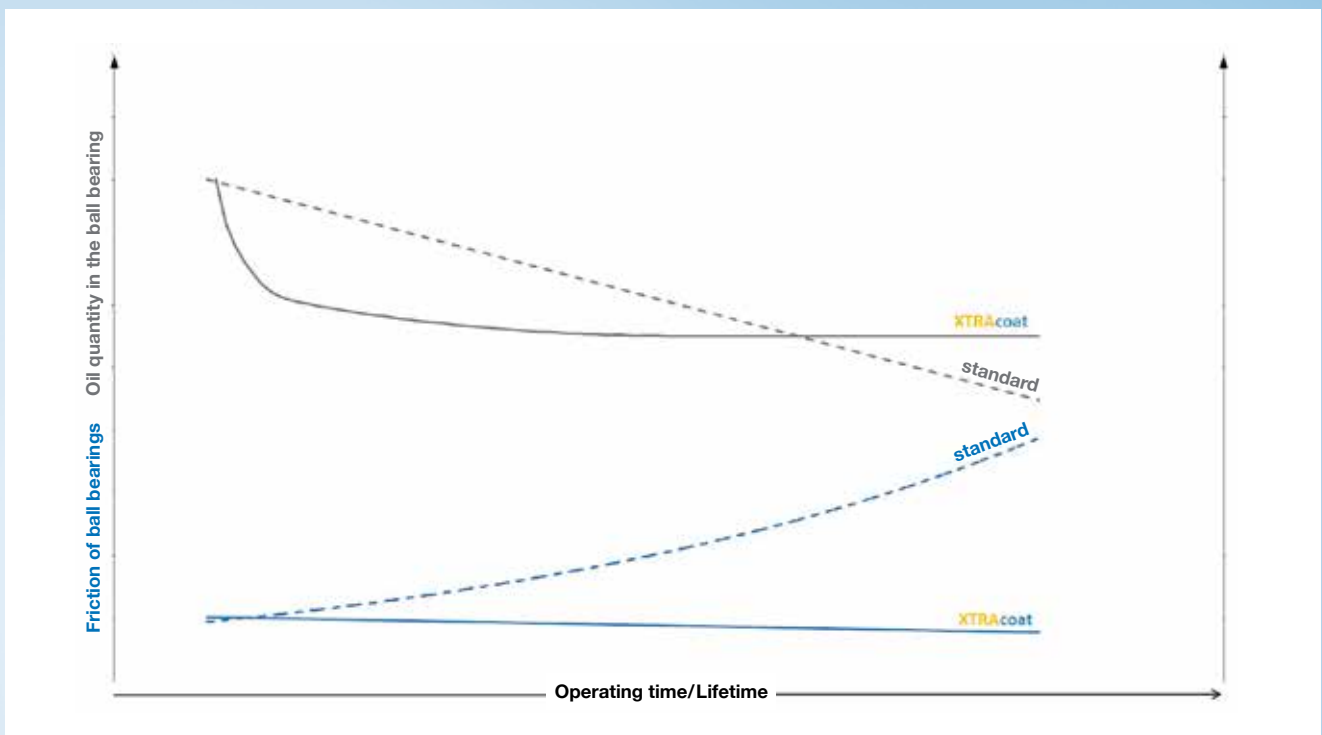
XTRAcOAT-coated bearings show their full strength in **the measured values of the maximum friction and their bandwidth.**

In the lifetime testing, **the measured values drop continually by up to 30%**. Standard bearings, in contrast, increase in friction due to wear.

XTRAcOAT thus provides **decisive improvement in the neuralgic areas:**

Maximum friction and the bandwidth of friction are those parameters that can often cause a noticeable uneven running of the ball bearings and perceptible operating noises. Both are clearly improved by the new solution!

In the long run, XTRAcOAT wins!





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