

Why SKF?

SKF Extended Life Plain Bearings



Steel/steel spherical plain bearings typically require relubrication as part of a regularly scheduled maintenance program. Relubrication extends bearing service life but also adds cost. Whether it is the cost of labour, downtime, the cost of new grease or the cost to dispose of used grease, these costs add up over time. SKF Extended Life Plain Bearings do not require relubrication in applications where contamination levels are clean to moderate. Under these conditions, SKF Extended Life Plain Bearings last at least as long as standard steel/steel plain bearings which have been relubricated in accordance with recommended maintenance schedules.

Product features

- Robust steel/steel bearings
- LS heavy-duty triple-lip seal
- High degree of corrosion and wear resistance
- Optimized tribological system
- Pre-filled with high performance, non toxic grease
- Dimensionally interchangeable with standard steel/steel bearings

User benefits

- Increases uptime and productivity
- Minimizes risk of premature failures due to poor lubrication conditions
- Reduces total cost of ownership
- Increases corrosion resistance
- Eliminates grease purging into the environment

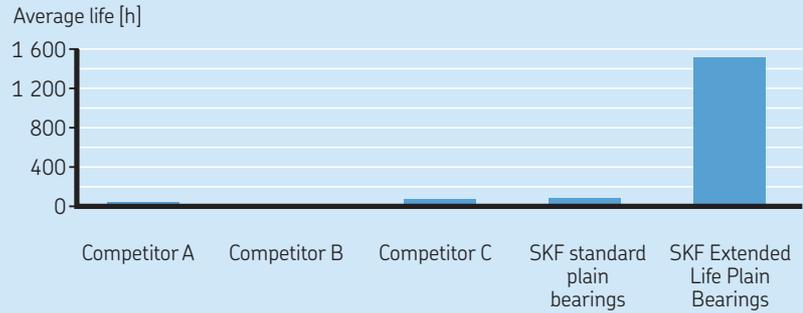
Common applications

- Mining and construction equipment
- Farm and forestry machinery
- Fork lift trucks
- Lifting and handling equipment
- Solar industry equipment

Extended bearing service life

To test the effectiveness of the new tribological system, unsealed SKF Extended Life Plain Bearings were tested against unsealed, but initially greased, competitor bearings as well as standard SKF plain bearings. Results show that, under these conditions, the tribological system of SKF Extended Life Plain Bearings will provide significantly longer service life.

Endurance tests: SKF Extended Life Plain Bearings vs. standard steel/steel plain bearings

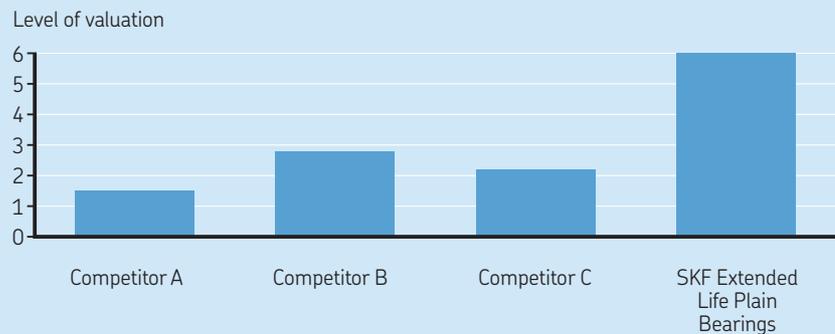


Note: the load on SKF Extended Life Plain Bearings was 45% higher than the load on the other bearings.

Improved corrosion resistance

SKF Extended Life Plain Bearings undergo a special treatment to inhibit rust. Salt spray tests show that corrosion of SKF Extended Life Plain Bearings is reduced to a minimum.

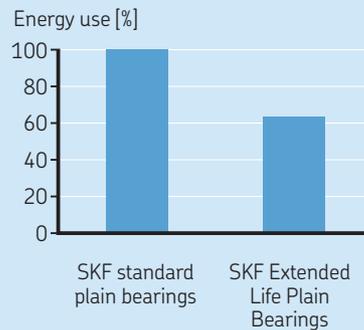
Corrosion resistance



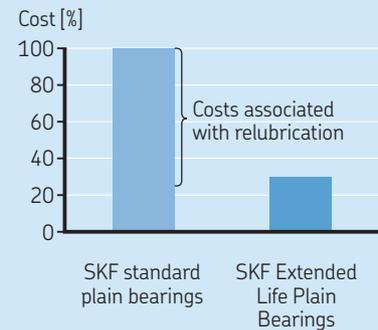
Seal life



Energy use



Reduced total cost of ownership



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