Axial Spherical Roller Bearings

The most powerful bearings on the market
Axial spherical roller bearings – a first-rate FAG product

Customer Benefits

- Maximum operating life
- Highest load-carrying capacity
- Fastest speeds
- Least amount of wear thanks to fine surface structure
- Least amount of friction and lowest bearing temperatures
- Reduced lubricant stress

Cost-effective
Reliable
Energy-saving
X-life is the quality seal for especially efficient products from the INA and FAG brands.

X-life products offer a longer operating life – the result of higher dynamic load ratings than the previous standard. They thus open up completely new design options and provide a significant contribution to the improvement of the overall cost-effectiveness of the application.

The reasons for this improved performance are the state-of-the-art manufacturing technology and improved internal designs. This leads to better and more uniform surfaces and contact points and thus to optimized load distribution in the bearing.
Bearing with Sheet Steel Cage

X-life – proven quality

Product advantages

- Sturdy design
- Low wear
- Unaffected by insufficient lubrication
- Low friction
- Minimum operating temperature

Sheet steel cage

For bearings with an outside diameter of up to 620 mm
Bearing with Solid Brass Cage

X-life – now for large bearings as well

Product advantages

• Proven prong-type cage design
• Particularly good emergency running properties
• Low noise generation
• Perfectly suitable for demanding applications

Solid brass cage

For larger bearings with an outside diameter of up to 2,280 mm as well as for series 292
X-life – the best performance on the market

Performance in numbers

- 45% longer rating life
- 12% higher dynamic load-carrying capacity
- 4% higher static load-carrying capacity
- Up to 20% less friction
- 14% greater fatigue limit load
- 7% higher speeds
X-life – for new design perspectives

Axial spherical roller bearings in X-life quality increase design possibilities:

- The rating life of X-life bearings is longer with the same load and without changing the design envelope; maintenance intervals can be extended.

- Conversely, X-life bearings with the same design envelope and rating life can support a greater load.

- If the rating life and load remain unchanged, X-life bearings provide greater performance and allow the design envelope to be optimized and weight to be reduced.

Bottom line: Axial spherical roller bearings increase the overall cost-effectiveness of your machines and equipment.
Learn more about our products at:
www.schaeffler.com/axial_srb

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