



We pioneer motion

BSB..-SU-XL Bearings for screw drives

Single row axial angular contact ball bearings with 60° contact angle
for bores from 15 mm to 60 mm

Bearings for screw drives

BSB..-SU-XL universal bearings for high speed screw drives

The proven bearing solution for highly dynamic operating conditions in the screw drive is now also available for bore diameters up to 60 mm and with a minimal gap seal for all sizes. The optimized contact surfaces between the rolling elements and raceways, as well as the higher raceway accuracy and raceway quality, reduce the stress conditions present on the rolling elements and raceways.

Available sizes and designs

- Bore: 15 mm to 60 mm
- Open or with friction-optimized minimal gap seal
- Not greased or optionally available in a greased condition on request
- Bearings can be configured to create bearing sets for specific applications

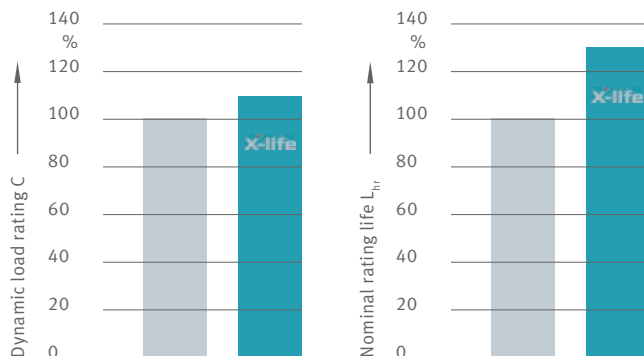
Technical advantages

- High dynamic load carrying capacity and high speeds due to optimized contact surfaces
- Long grease operating life
- Low bearing temperatures and high limiting speeds due to low level of friction

Customer benefits

- Higher productivity thanks to increased load carrying capacity
- Extended maintenance intervals and reduced operating costs due to longer operating life
- Additional levels of design freedom and design options, e.g. downsizing, due to increased performance capability

● Schaeffler BSB...-SU ● Schaeffler BSB...-SU-XL



Comparison between BSB...-SU and BSB...-SU-XL shows increase in nominal rating life due to comparatively higher dynamic load ratings



Threaded spindle bearing support with three sealed BSB...-SU-XL bearings



Application example

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