

Rolling bearings
Plain bearings
Linear technology



FAG

Cylindrical Roller Bearings

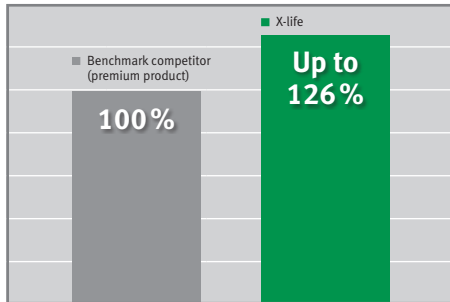


SCHAEFFLER

X-LIFE – PROVEN TO BE BETTER

Longer rating and operating life – reliable – energy-efficient

Dynamic load rating comparison C_r



Product features

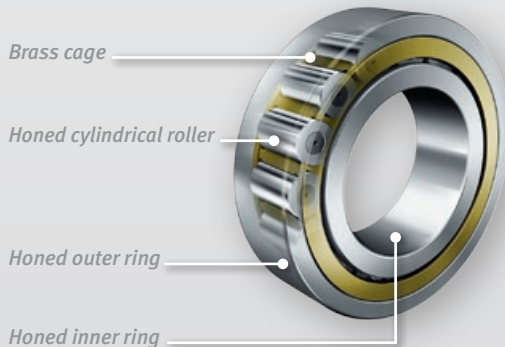
- *Optimized internal construction*
- *Optimized surface geometry*
- *Better and more even internal load distribution*

Technical advantages

- *Up to 20% higher dynamic load rating C_r*
- *Up to 70% longer rating life*
- *Up to 50% less friction*

Customer benefits

- *Significantly longer rating and operating life at the same load*
- *Higher performance with the same rating life*
- *Downsizing possible, higher power density*
- Improved price/performance ratio
- Interchangeable: Same dimensions as standard bearings



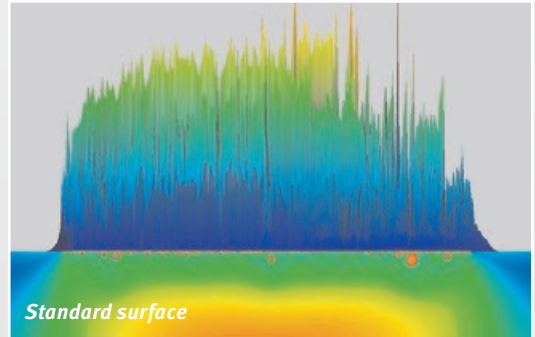
Applications

- Heavy industries, steel applications
- Power transmission, gearboxes
- Driven machines and construction machinery
- Wind power and gearbox applications

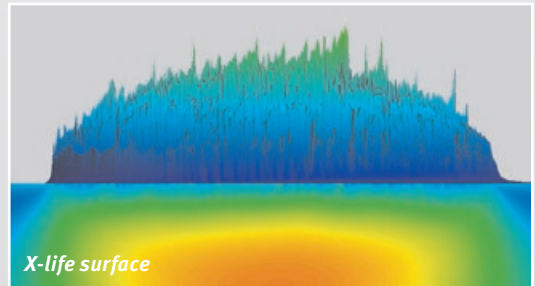


Types available

- Entire INA and FAG product catalog range up to 320 mm outside diameter
- Outside diameters of up to 1,600 mm available on request



Under radial load, a rough surface causes stress peaks



Reduced roughness reduces stress peaks, which in turn increases the rating life

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