

Rolling bearings
Plain bearings
Linear technology

FAG

Axial Spherical Roller Bearings

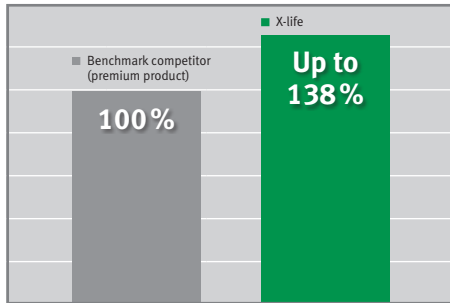


SCHAEFFLER

X-LIFE – PROVEN TO BE BETTER

Longer rating and operating life – cost-effective – reliable – energy-saving

Dynamic load rating comparison C_a



Product features

- *Optimized internal construction with increased load carrying capacity*
- *Longer rollers and larger roller diameters*
- *Optimized contact geometry and bearing kinematics*
- *Improved osculation conditions*
- *Improved surface quality*
- *Increased running accuracy*
- New cage designs in steel and brass
- Improved roller and lubricating film guidance

Technical advantages*

- *45% longer rating life*
- *12% higher dynamic load rating*
- *4% higher static load rating C_{0a}*
- *Up to 20% less friction*
- *7% higher speeds*
- *14% higher fatigue limit load*

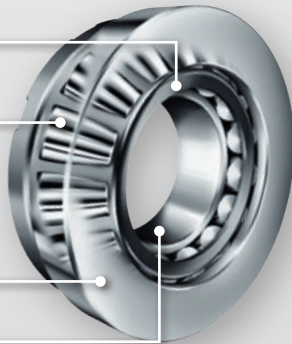
*Compared to the benchmark competitor

Cage

Honed barrel roller

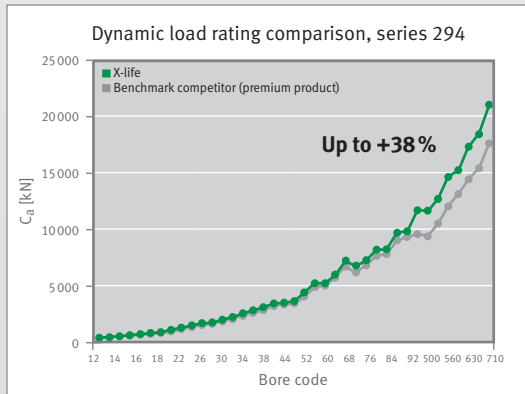
Cup wheel ground housing locating washer

Honed shaft locating washer



Customer benefits

- *Longer operating times*
- *Higher operational reliability*
- *Downsizing possible, higher power density*
- *Improved lubricant rating life*
- Reduced overall operating costs (TCO)
- Higher machine availability
- Increased energy efficiency



Applications

- Cellulose and paper industry: Refiners and worm extruders
- Cement, mining, and processing: Drilling equipment and roller presses
- Steel industry: Work and back-up rolls in cold rolling mills
- Chemical plants and refineries: Extruder gearboxes
- Drives in marine applications: Pod drives and Azimuth drives
- Thermal power plants: Air preheaters



Types available

The largest product range in premium quality:

- 294 with OD from 130 mm to 1,220 mm:
29412 – 294/710
- 293 with OD from 150 mm to 1,180 mm:
29317 – 293/800

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