

Rolling bearings

Plain bearings

Linear technology

**FAG**

# Radial Spherical Roller Bearings

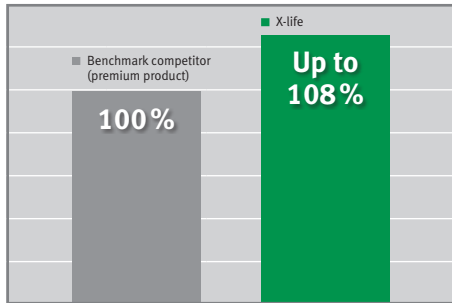


**SCHAEFFLER**

X-LIFE – PROVEN TO BE BETTER

# Longer rating and operating life – higher performance

Dynamic load rating comparison  $C_r$



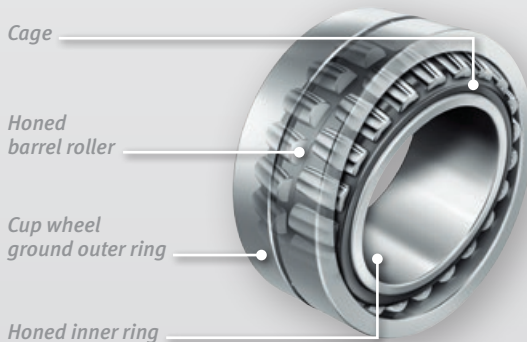
## Product features

- *Optimized internal construction with increased load carrying capacity*
- *New roller dimensions with crowned end faces*
- *Improved surface quality*
- *Optimized contact geometry between rollers and raceway*
- *Increased running accuracy*
- *Floating central rib*
- *New cage designs in steel and brass*

## Technical advantages\*

- *60% longer rating life*
- *15% higher dynamic load rating  $C_r$*
- *Reduced friction*
- *50% higher limiting speed  $n_G$*
- *Lower bearing temperatures*

\*Compared to the benchmark competitor



### Customer benefits

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

### Applications

- Cellulose and paper industry: Drying cylinders, calenders
- Cement, mining, and processing: Mining equipment, belt conveyors, bucket conveyors, vibrating screens, vertical mills, roller presses
- Steel industry: Continuous casting plants
- Wind energy: Main rotor shafts
- Power transmission: Passenger elevators
- Drives in marine applications

Dynamic load rating comparison, series 222, 223 and 230



### Types available

#### Series

- 213, 222, 223, 230, 231, 232, 240, 241
- With OD from 52 mm to 920 mm

## **Schaeffler Technologies AG & Co. KG**

Industriestrasse 1 – 3  
91074 Herzogenaurach  
Germany

Internet [www.schaeffler.com/X-life](http://www.schaeffler.com/X-life)  
E-Mail [X-life@schaeffler.com](mailto:X-life@schaeffler.com)

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