

Rolling bearings

Plain bearings

Linear technology

FAG

TORB Toroidal Roller Bearings

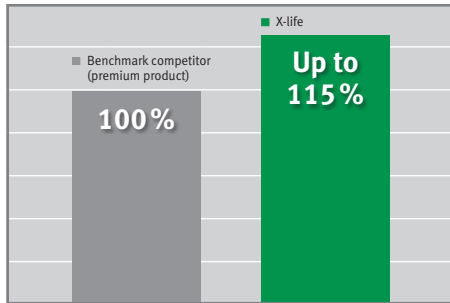


SCHAEFFLER

X-LIFE – PROVEN TO BE BETTER

Longer rating and operating life – higher technical and economic performance

Dynamic load rating comparison C_r



Long, slightly crowned
barrel rollers (honed)

Cage

Honed outer ring

Honed inner ring



Product features

- *Non-locating bearings that combine the following features:*
 - Angular adjustment capability
 - Axial displacement
- *Honed surfaces on the inner and outer ring*
- *High running accuracy*
- *Optimized roller geometry*
- *Dimensional stability up to 200°C*
- New standard catalog product

Technical advantages

- *Up to 15% higher dynamic load rating C_r*
- *Long rating life*
- *Compact design*

Customer benefits

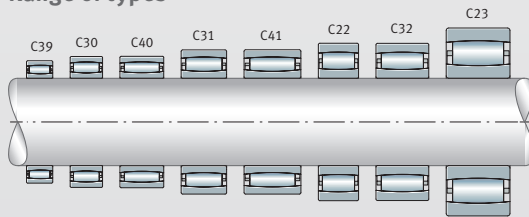
- *High performance and power density*
- *High operational reliability*
- *Low maintenance requirements*
- Interchangeability of spherical and cylindrical roller bearings
- Low overall operating costs (TCO)

Applications

- Paper machines
- Drives in marine applications
- Steel industry: Continuous casting plants
- Mining and processing
- Fans, blowers, and pumps
- Crushers and agricultural machinery
- Conveyors and roller beds



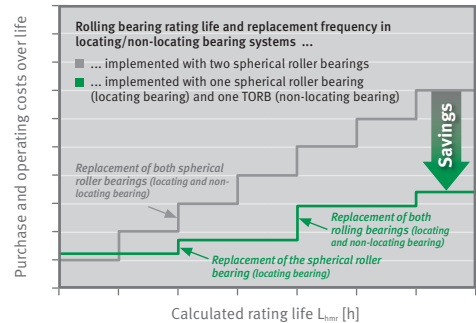
Range of types



Types available (other types available on request)

- | | | | |
|---------|-----------|-----------|-----------|
| • C3144 | • C3064 | • C3184 | • C4026-V |
| • C3152 | • C30/600 | • C4030-V | • C4122-V |
| • C3176 | • C30/630 | • C4024-V | • C4028-V |

Comparison of overall operating costs (TCO) of locating/non-locating bearing systems



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