

Rolling bearings

Plain bearings

Linear technology



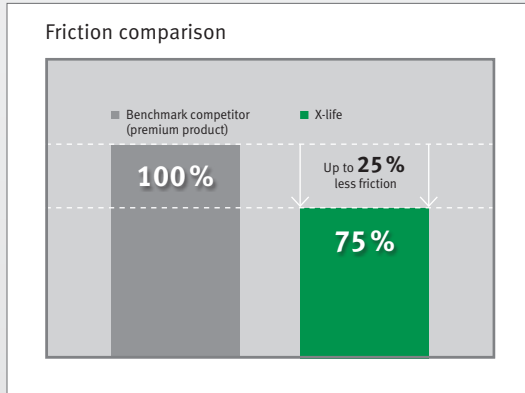
Needle Roller Bearings with TWin Cage



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X-LIFE – PROVEN TO BE BETTER

Longer rating and operating life – reliable – energy-efficient



Needle roller arrangement with optimized friction characteristics

Cage with optimized load carrying capacity and noise characteristics

Outer ring raceway with optimized contact geometry

Inner ring with optimized contact geometry



Product features

- *Two short needle rollers in one cage pocket*
- *Improved raceway surfaces*
- Outside dimensions remain unchanged

Technical advantages

- *Up to 25% less friction*
- *Higher dynamic load rating C_r*
- *Higher precision*
- Lower operating temperature
- Same dynamic load ratings as bearings with one long needle roller per pocket
- Higher rigidity due to the higher number of needle rollers in the plastic cage

Customer benefits

- *Longer rating and operating life*
- Reduced overall operating costs (TCO)
- Reduced grease and oil consumption
- Increased energy efficiency

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Applications

- Textile machinery
- Agricultural machinery
- Fluid technology and pneumatics
- Printing machinery
- Food processing and packaging machinery
- Industrial gearboxes

Types available

- NK30/20-TW-XL
- NK135/20-TW-XL
- NK140/30-TW-XL
- NK155/25-TW-XL

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