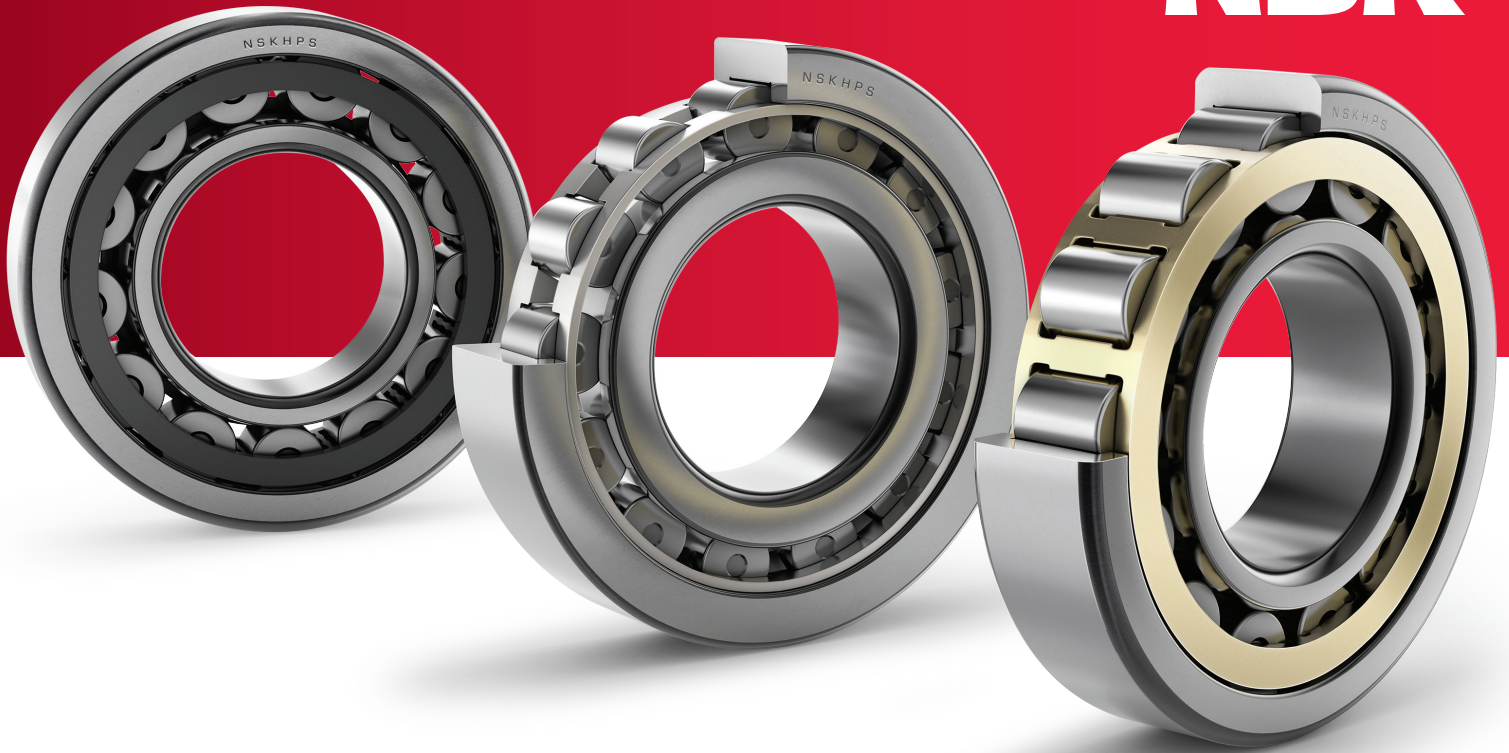


NSK



NSKHPS CYLINDRICAL ROLLER BEARINGS

NSKHPS Cylindrical Roller Bearings deliver a high performance standard for load capacities and operating life across a newly expanded diameter range. Featuring cage design options to suit a wide range of general to heavy-duty applications, these bearings accommodate high loads and high speeds with superior roller guidance and extra-capacity performance, low running noise and reduced heat generation.

PROVEN BENEFITS

- › Dramatically increased bearing life over conventional designs, as high as twice the life among larger sizes
- › Up to 23% higher basic load rating
- › High strength and maximum rigidity for high loads and high speeds
- › Improved grease and oil flow promotes lower running temperature and low noise
- › Higher permissible misalignment

CONDITIONS

HL HIGH LOADS

Q LOW NOISE

HS HIGH SPEEDS

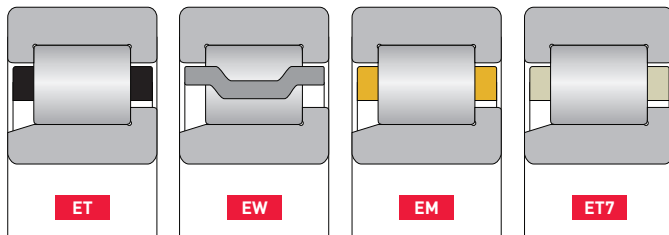
APPLICATIONS

- › Electric motors
- › Fans and blowers
- › Gearboxes and drives
- › Material handling
- › Mining machinery
- › Papermaking machinery
- › Pumps and compressors
- › Steel machinery
- › Wind turbines

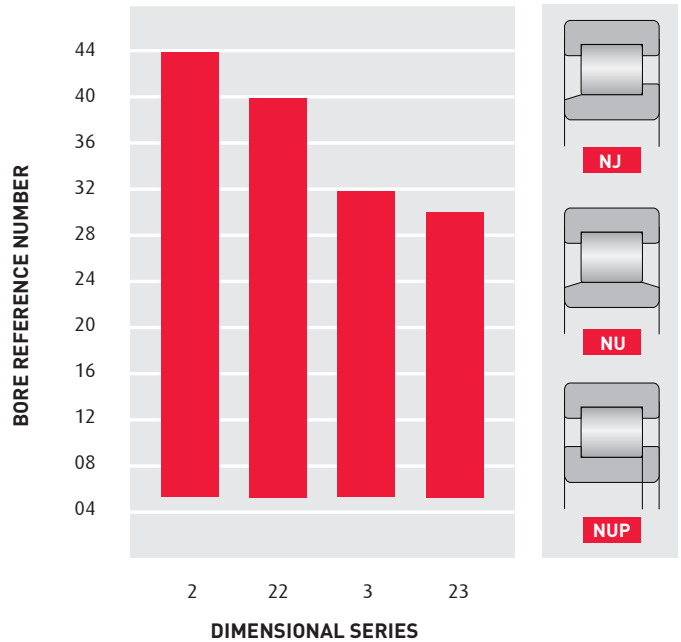
STAY IN MOTION. STAY IN CONTROL.

DESIGN FEATURES

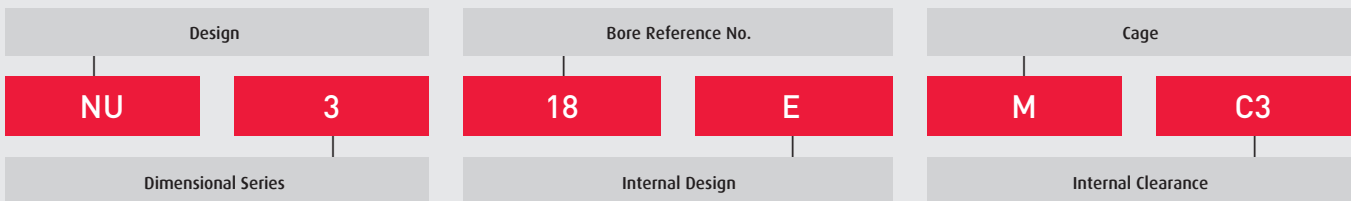
- › Optimized, extra-capacity internal design
- › Cage pocket profiling relieves stress concentrations and provides accurate roller guidance
- › Special roller crowning reduces edge loading
- › Available with cage materials suited to a variety of applications:
 - › Polyamide (T) for standard-duty applications
 - › Pressed steel (W) and machined brass (M) for heavy-duty applications
 - › L-PPS resin (T7) for screw compressors
- › With CN, C3 and C4 clearance
- › For NJ, NU and NUP designs in dimensional series 2, 22, 3, 23



RANGE OF AVAILABILITY



DESIGN SPECIFICATIONS



Design	NJ, NU, NUP
Dimensional Series	2, 22, 3, 23
Bore Diameter	From 25 to 220 mm

Internal Design	E: high load capacity
Cage	M: machined brass T: polyamide resin W: pressed steel T7: L-PPS resin
Internal Clearance	Blank: normal C3: > normal C4: > C3