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

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.
NSKHPS CYLINDRICAL ROLLER BEARINGS

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

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<th>Design</th>
<th>Bore Reference No.</th>
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Design
NJ, NU, NUP

Dimensional Series
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