NSKHPS SINGLE ROW ANGULAR CONTACT BALL BEARINGS

NSKHPS Single Row Angular Contact Ball Bearings deliver a high performance standard for smooth and quiet operation. Their innovative technology features optimized internal design with super finished raceways to promote increased load and speed ratings, while increased dimensional and running accuracy minimize vibration and heat generation to promote extended bearing life.

PROVEN BENEFITS
› Increased load capacity derived from internal design
› Bearing fatigue life increased up to 90%
› Higher limiting speeds increased by 15 - 20%
› Reduced heat generation, vibration and noise

CONDITIONS:

- **HL** HIGH LOADS
- **HS** HIGH SPEEDS
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DESIGN FEATURES
› Advanced raceway surface finishing for durability and wear resistance
› Optimized internal design to deliver the greatest performance from ball and cage geometry
› Three high performance ball-guided cage options:
   › Reinforced polyamide 46 resin (T85) for general purpose applications
   › Machined brass (MR) for heavy duty applications and API pumps
   › Reinforced L-PPS resin cage (T7) for high temperatures and chemical exposure, particularly refrigerants or ammonia gas
› High dimensional (P6) and running accuracy (P5)
› 40° contact angle
› Narrow axial clearances or preloads range
› Universal matching

RANGE OF AVAILABILITY
› Available for dimensional series 72B and 73B in bore diameters ranging from 12 to 80 mm

DESIGN SPECIFICATIONS

<table>
<thead>
<tr>
<th>SERIES</th>
<th>BORE REFERENCE NO.</th>
<th>CONTACT ANGLE</th>
<th>INTERNAL DESIGN</th>
<th>CAGE</th>
<th>ARRANGEMENT</th>
<th>CLEARANCE / PRELOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td>02 04 06 08 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40</td>
<td>B: 40° standard</td>
<td>EA: high load capacity</td>
<td>MR: machined brass</td>
<td>SU: universal matching</td>
<td>CNB: normal clearance</td>
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<td>T85: polyamide 46 resin</td>
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<td>GA: light preload</td>
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<td>73</td>
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<td></td>
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<td>T7: L-PPS resin</td>
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</tbody>
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