

NKE single row angular contact ball bearings

- > For high speeds, radial and thrust loads
- > Multifaceted applications

Technical characteristics

NKE single row angular contact ball bearings are non separable radial bearings:

- > Suitable for high-speed applications
- > Can accommodate both radial and thrust loads
- > Suitable for combined loads and tilting moments
- > Provide rigid bearing arrangements
- > Available in universal design to be used in pairs or sets

Design variants

- > Different contact angles (α - see figure on right) for taking up loads optimally
- > Series 72 and 73 are available with re-enforced internal design (suffix BE - see figure below)
- > Cage variants:
 - Pressed steel (J)
 - Pressed brass (Y)
 - Polyamide (TVP)
 - Hard fabrics (TPA)
 - Machined solid brass (MP)
- > Sealed variants for maintenance free bearing positions
- > Special clearances and preloads upon request

Re-enforced internal design (BE) – higher load rating



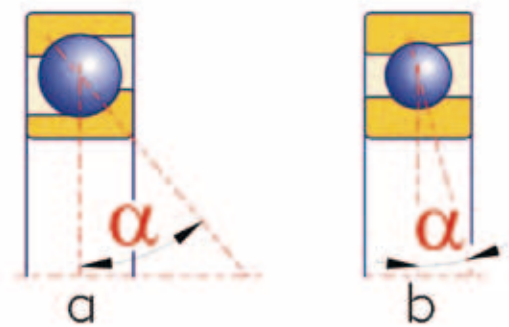
Conventional Design



Re-enforced design for higher load ratings

Contact angles (α)

NKE single row angular contact ball bearings (series 72 and 73) are produced with several different contact angles, which are identified by various suffixes:



Suffix	Contact angle α
A	30°
B	40°
C	15°
E	25°

Typical applications

- > Gearboxes
- > Agricultural machinery
- > Pumps and compressors
- > Ventilators
- > Machine tools
- > Etc.

Please refer to the NKE General Catalogue for more information.

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