



## **NKE single row angular contact ball bearings**

- > Premium quality
- > For high speeds
- > For high radial and thrust loads
- > Numerous variants for multifaceted applications

*More possibilities!*

**NKE**  
B E A R I N G S

# 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 ( $\alpha$  - 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



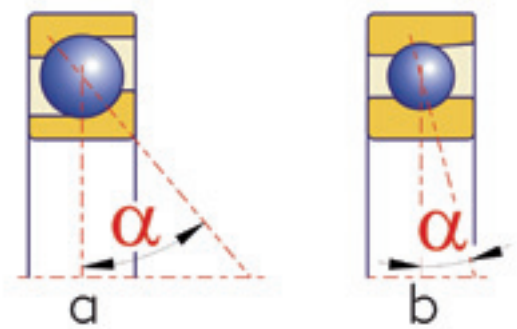
Conventional Design



Re-enforced design for higher load ratings

## Contact angles ( $\alpha$ )

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 $\alpha$
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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