MOTION & CONTROL™
NSK

INNOVATION
HPS™ Angular contact ball bearing

NSK's HPS™ (High Performance Standard) Angular Contact Ball Bearings for industrial machinery, pumps & compressors. Bearings designed for easy handling, long-life, low vibration & quiet running in application.

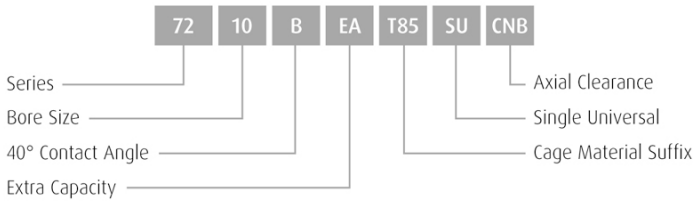
This development supercedes the previous high performance angular contact ball bearings.

Product Features

› Optimized internal design
› High load ratings
› Increased limiting speed
› High tech ball guided cages (polymers or machined brass)
› High dimensional (P6) and running (P5) accuracy
› Narrow axial clearances or preloads
› Universal facing in standard

Product Benefits

› Long-life
› Cage material dedicated to application: polyamide for standard applications, L-PPS for screw compressors, machined brass for API pumps
› Reduced heat generation, vibration & noise
› Easy handling & installation due to universal facing
› Possibilities of downsizing



Condition Description:

☑ High axial & radial loads
☑ Moderate to high speeds
☑ Vibrations (brass cage)
☑ High temperatures
☑ High accuracy

Applications:

› Compressor
› Fan & Blower
› Gearbox / Gear Drive
› Pump