

Ultra-High Speed Angular Contact Ball Bearings with SURSAVE Cage

NSK has developed ultra-high speed Angular Contact Ball Bearings using the new cage "SURSAVE" for the main spindle of machine tools. This cage is applied to the NSKROBUST series of ultra-high speed angular contact bearings. Low NRRO, low heat generation and high-speed performance are achieved with the newly developed cage "SURSAVE"

Product Features

- Optimised internal design
- Lower vibration and runout of the cage reduce NRRO* by half
- 20% reduction of heat generation compared to conventional bearings under high-speed conditions
- 20% faster than conventional bearings *NRRO = non-repeatable runout

Benefits

- Higher accuracy
- Higher speed rotation
- Improve productivity
- Environmental friendly
- Reduction of NRRO improves the process surface quality and reduction of heat generation helps to suppress thermal displacement

Condition Description

- Green environment
- High Accuracy
- High Speed

Industries

- Machine Tools



80 BNR 10 H TSR V1V SU EL P4 MTSX

Description

80	Nominal bore diameter
BNR	Bearing type
10	Dimension series
H	Type
TSR	Cage
V1V	Seal
SU	Arrangement
EL	Preload
P4	Accuracy
MTSX	Grease