High Reliability Single Row Cylindrical Roller Bearings

ROBUSTRIDE™

Ultra high speed single row cylindrical roller bearings with newly developed cage

Feature

1. Simplify the mounting process
   Adaptation of wide range clearance after mounting allows random matching method in cylindrical bore type

2. Improvement of reliability with grease lubrication
   With the adoption of the new cage the time of grease running in is shortened, the durability of the grease lubrication is improved
Adaptation of wide range clearance after mounting

**ROBUSTRIDE™**

Adoption of residual clearance range about three times that of a conventional bearing

Adoption of cylindrical shaft reduces the clearance adjustment process

With the adoption of the new cage, the time of grease running-in is shortened

**Test condition for grease running-in evaluation**

- Bearing: N1011
- Cooling: No cooling
- Lubrication: MTE grease
- Residual radial clearance: +3 μm
- Running-in method: Intermittent
- Rotation speed: 1,000 min⁻¹ Step-up

**Temperature change of intermittent running-in operation**

Grease running-in is completed in 2 hours

For more information about NSK products, please contact: [www.nsk.com](http://www.nsk.com)