

INNOVATION

HPST™ SPHERICAL ROLLER BEARINGS



NSK's HPST™ Spherical Roller Bearings are state-of-the-art material technology bearings, offering high speed & load ratings that can enable equipment downsizing & are suitable for a wide variety of applications.



Product Features

- › Highest load rating SRB.
- › Optimum raceway design & surface finishing.
- › Strengthened steel cage.
- › No guide ring only Roller guides.
- › Special surface nitride treatment.
- › NSK's high strength, high-cleanliness Z-steel.
- › Temperature stability: up to 200° C.
- › Range 40mm to 130mm bore size.

Product Benefits

- › Up to twice the operating life of conventional products
- › Lower maintenance costs & improved productivity
- › Up to 20% higher limiting speed than conventional designs
- › Dynamic load rating: 25% higher
- › Cage design, material and surface treatment give lower operating temperature, reduced cage wear & higher durability
- › High load rating enables downsizing

Condition Description:

- High loads
- High temperature
- High speed
- Misalignment

Applications:

- › Compressor
- › Crane, Hoist (Material Handling)
- › Fan & Blower
- › Gearbox / Gear Drive
- › Industrial Generators
- › Mining Machinery
- › Paper Machinery
- › Pump
- › Steel Machinery

