

Shielded Deep Groove Ball Bearings

NACHI

ZE Shield



- L-Shaped Shield Plate
- U-Shaped Seal Groove

Advanced Shield Design Provides Superior Protection and Quiet Operation

The shield design was optimized using finite element analysis and dynamic analysis modeling techniques. The design profile and plate thickness provides rigidity that helps quiet operation as well as retain grease and protect against intrusion of major contamination.

- Superior in Sealing Out Contamination
- Superb Grease Retention
- Quiet Operation

The Best Components Yield the Greatest Bearing Performance

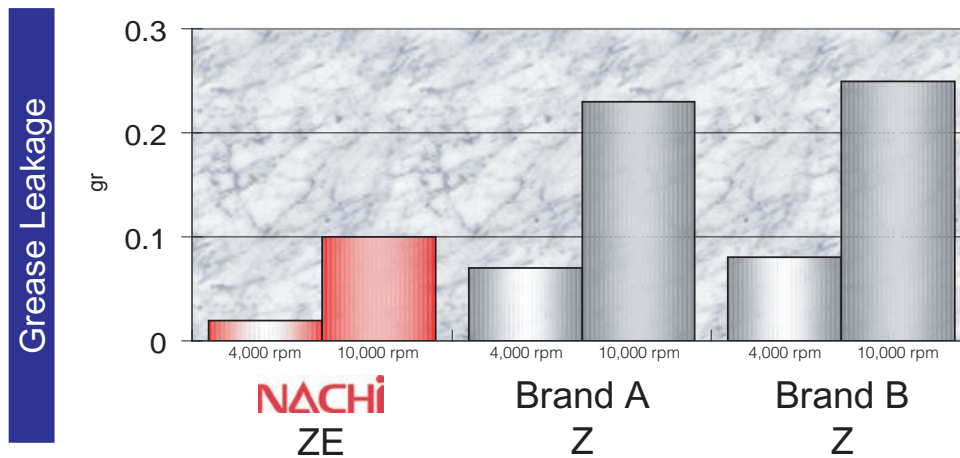
Rings and balls made of select material have superbly controlled accuracy such as roundness, contour, surface finish, and hardness to provide quieter operation, reduced vibration levels, and long life.

Rivet-type pressed steel cages for strength and durability.

High-performance grease for long life and low noise.

Comparison Test Results

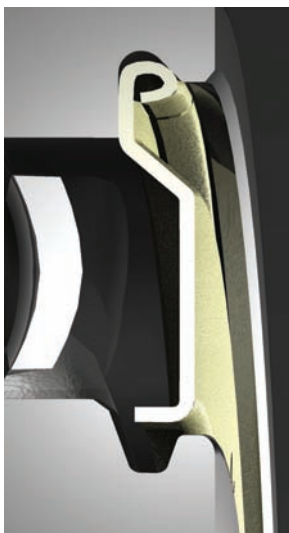
Nachi vs. Other Brands



Tested Bearing: 6203ZZE
Inner Ring Rotation, No Load
Ambient Temperature = 80 °C
Test Duration = 20 hours

NACHI ZE shield showed the best performance for retaining grease under both conditions.

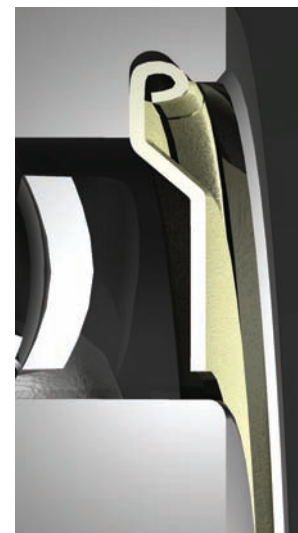
Design Comparison



NACHI
ZE



Brand A
Z



Brand B
Z

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