

6224/W64



Deep groove ball bearing

Single row deep groove ball bearings are the most widely used bearing type and are particularly versatile. They have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They can accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types.

- Simple, versatile and robust design
- Low friction
- High-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

Overview

Dimensions

| | |
|------------------|--------|
| Bore diameter | 120 mm |
| Outside diameter | 215 mm |
| Width | 40 mm |

Performance

| | |
|-------------------------------|---|
| Basic dynamic load rating | 146 kN |
| Basic static load rating | 118 kN |
| Limiting speed | 1 700 r/min |
| Maximum operating temperature | 85 °C |
| Note | Limiting speed at 20 °C (70 °F) ambient temperature |

Properties

| | |
|--------------------------------------|---------------|
| Bore type | Cylindrical |
| Cage | Sheet metal |
| Coating | Without |
| Filling slots | Without |
| Locating feature, bearing outer ring | None |
| Lubricant | Solid Oil |
| Matched arrangement | No |
| Material, bearing | Bearing steel |
| Number of rows | 1 |
| Radial internal clearance | CN |
| Relubrication feature | Without |
| Sealing | Without |

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