



Image may differ from product. See technical specification for details.

6307-Z/C3

Deep groove ball bearing with seals or shields

Single row deep groove ball bearings with seals or shields are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

- Integral sealing prolongs bearing service life
- Simple, versatile and robust design
- Low friction and high-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

Overview

Dimensions

| | |
|------------------|----------|
| Bore diameter | 1.378 in |
| Outside diameter | 3.15 in |
| Width | 0.827 in |

Performance

| | |
|---------------------------|--------------|
| Basic dynamic load rating | 7 891 lbf |
| Basic static load rating | 4 271 lbf |
| Reference speed | 19 000 r/min |
| Limiting speed | 12 000 r/min |
| SKF performance class | SKF Explorer |

Properties

| | |
|--------------------------------------|--------------------|
| Filling slots | Without |
| Number of rows | 1 |
| Locating feature, bearing outer ring | None |
| Bore type | Cylindrical |
| Cage | Sheet metal |
| Matched arrangement | No |
| Radial internal clearance | C3 |
| Material, bearing | Bearing steel |
| Coating | Without |
| Sealing | Shield on one side |
| Sealing type | Non-contact |
| Lubricant | None |
| Relubrication feature | Without |

Logistics

| | |
|--------------------|-------------|
| Product net weight | 0.9899 lb |
| eClass code | 23-05-08-01 |
| UNSPSC code | 31171504 |

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