

Image may differ from product. See specification for details.

# 6309-2Z/C4

## 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 | 45 mm |
| Outside diameter | 100 mm |
| Width | 25 mm |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 55.3 kN |
| Basic static load rating | 31.5 kN |
| Reference speed | 15 000 r/min |
| Limiting speed | 7 500 r/min |
| SKF performance class | SKF Explorer |

## Properties

| | |
|---|---|
| Filling slots | Without |
| Number of rows | 1 |
| Locating feature, bearing outer ring | Without |
| Bore type | Cylindrical |
| Cage | Sheet metal |
| Matched arrangement | No |
| Radial internal clearance | C4 |
| Material, bearing | Bearing steel |
| Coating | Without |
| Sealing | Shield on both sides |
| Sealing type | Non-contact |
| Lubricant | Grease |
| Relubrication feature | Without |
| Indicative carbon footprint for new product | 3.08 kg $CO_2e$ |

## Logistics

| | |
|---|---|
| Product net weight | 0.855 kg |
| eClass code | 23-05-08-01 |
| UNSPSC code | 31171504 |

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