

Image may differ from product. See specification for details.

# 3204 A-2Z/MT33

## Double row angular contact ball bearing with seals or shields

Double row angular contact ball bearings, with seals or shields, correspond to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. Depending on the sealing execution, they can operate at high speeds and are more suitable than deep groove ball bearings for supporting large axial forces in both directions.

- High-speed capability
- Accommodate relatively high radial loads, high axial loads in both directions and tilting moments
- Suitable where a stiff bearing arrangement is required
- Require less axial space than equivalent pair of single row angular contact ball bearings
- Integral sealing prolongs bearing service life

# Overview

## Dimensions

| | |
|---|---|
| Bore diameter | 20 mm |
| Outside diameter | 47 mm |
| Width | 20.6 mm |
| Contact angle | 30 ° |

## Performance

| | |
|---|---|
| Basic dynamic load rating | 20.4 kN |
| Basic static load rating | 12.9 kN |
| Reference speed | 16 000 r/min |
| Limiting speed | 14 000 r/min |
| SKF performance class | SKF Explorer |

## Properties

| | |
|---|---|
| Contact type | Normal contact (two-point contact) |
| Number of rows | 2 |
| Locating feature, bearing outer ring | Without |
| Ring type | One-piece inner and outer rings |
| Cage | Sheet metal |
| Arrangement of contact angle (double-row bearing) | Back-to-back (O) |
| Matched arrangement | No |
| Universal matching bearing | No |
| Axial internal clearance | CN |
| 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 | 0.572 kg $CO_2e$ |

## Logistics

| | |
|---|---|
| Product net weight | 0.159 kg |
| eClass code | 23-05-08-03 |
| UNSPSC code | 31171531 |

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