



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

## 3219 A/C3

### Double row angular contact ball bearing

Double row angular contact ball bearings correspond, in their design and operation, to a pair of single row angular contact ball bearings in a back-to-back arrangement, while requiring less axial space. 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

Overview

Dimensions

|                  |         |
|------------------|---------|
| Bore diameter    | 95 mm   |
| Outside diameter | 170 mm  |
| Width            | 55.6 mm |
| Contact angle    | 30 °    |

Performance

|                           |             |
|---------------------------|-------------|
| Basic dynamic load rating | 159 kN      |
| Basic static load rating  | 146 kN      |
| Reference speed           | 4 000 r/min |
| Limiting speed            | 3 400 r/min |

Properties

|                                                   |                                    |
|---------------------------------------------------|------------------------------------|
| Contact type                                      | Normal contact (two-point contact) |
| Number of rows                                    | 2                                  |
| Locating feature, bearing outer ring              | None                               |
| 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                          | C3                                 |
| Material, bearing                                 | Bearing steel                      |
| Coating                                           | Without                            |
| Sealing                                           | Without                            |
| Lubricant                                         | None                               |
| Relubrication feature                             | Without                            |

Logistics

|                    |             |
|--------------------|-------------|
| Product net weight | 4.67 kg     |
| eClass code        | 23-05-08-03 |
| UNSPSC code        | 31171531    |





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