



# 3307 ATN9/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    | 35 mm   |
| Contact angle    | 30 °    |
| Outside diameter | 80 mm   |
| Width            | 34.9 mm |

### Performance

|                           |              |
|---------------------------|--------------|
| Basic dynamic load rating | 54 kN        |
| Basic static load rating  | 38 kN        |
| Limiting speed            | 8 500 r/min  |
| Reference speed           | 8 500 r/min  |
| SKF performance class     | SKF Explorer |

### Properties

|   |                                    |
|---|------------------------------------|
| Arrangement of contact angle (double-row bearing) | Back-to-back (0)                   |
| Axial internal clearance                          | C3                                 |
| Cage  | Non-metallic                       |
| Coating   | Without                            |
| Contact type                                      | Normal contact (two-point contact) |
| Locating feature, bearing outer ring              | None                               |
| Lubricant   | None                               |
| Matched arrangement                               | No                                 |
| Material, bearing                                 | Bearing steel                      |
| Number of rows                                    | 2                                  |

|                            |                                 |
|----------------------------|---------------------------------|
| Relubrication feature      | Without                         |
| Ring type                  | One-piece inner and outer rings |
| Sealing                    | Without                         |
| Universal matching bearing | No                              |

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