



## SKF 3309 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.

## Technical specifications

| Dimensions       |         |
|------------------|---------|
| Bore diameter    | 45 mm   |
| Outside diameter | 100 mm  |
| Width            | 39.7 mm |
| Contact angle    | 30 °    |

| Performance               |              |
|---------------------------|--------------|
| Basic dynamic load rating | 75 kN        |
| Basic static load rating  | 53 kN        |
| Reference speed           | 7500 r/min   |
| Limiting speed            | 6700 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                                              | Non-metallic                       |
| 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                            |
| Indicative carbon footprint for new product       | 4.7 kg CO <sub>2</sub> e           |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 1.3 kg      |
| eClass code        | 23-05-08-03 |
| UNSPSC code        | 31171531    |