



3302 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 | 15 mm |
| Contact angle | 30 ° |
| Outside diameter | 42 mm |
| Width | 19 mm |

Performance

| | |
|---------------------------|--------------|
| Basic dynamic load rating | 15.1 kN |
| Basic static load rating | 9.3 kN |
| Limiting speed | 16 000 r/min |
| Reference speed | 18 000 r/min |

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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