



## SKF 4206 ATN9

### Double row deep groove ball bearing

Double row deep groove ball bearings correspond, in their design and operation, to a pair of single row deep groove ball bearings. They are robust in operation, requiring little maintenance, can operate at high speeds and accommodate radial and axial loads in both directions. They are slightly wider than single row bearings of the same bore and outside diameter but have a considerably higher load carrying capacity.

## Technical specifications

| Dimensions        |         |
|-------------------|---------|
| Bore diameter     | 30 mm   |
| Outside diameter  | 62 mm   |
| Width             | 20 mm   |
| Shoulder diameter | 40.9 mm |
| Shoulder diameter | 51.1 mm |
| Chamfer dimension | 1 mm    |

| Abutment dimensions               |         |
|-----------------------------------|---------|
| Diameter of shaft abutment        | 35.6 mm |
| Diameter of housing abutment      | 56.4 mm |
| Radius of shaft or housing fillet | 1 mm    |

| Calculation data          |             |
|---------------------------|-------------|
| Basic dynamic load rating | 26 kN       |
| Basic static load rating  | 20.8 kN     |
| Fatigue load limit        | 0.88 kN     |
| Reference speed           | 17000 r/min |
| Limiting speed            | 9500 r/min  |
| Minimum load factor       | 0.05        |
| Calculation factor        | 14.3        |

| Performance               |             |
|---------------------------|-------------|
| Basic dynamic load rating | 26 kN       |
| Basic static load rating  | 20.8 kN     |
| Reference speed           | 17000 r/min |
| Limiting speed            | 9500 r/min  |

| Properties                                  |                         |
|---------------------------------------------|-------------------------|
| Filling slots                               | Without                 |
| Number of rows                              | 2                       |
| Locating feature, bearing outer ring        | Without                 |
| Bore type                                   | Cylindrical             |
| Cage                                        | Non-metallic            |
| Matched arrangement                         | No                      |
| Radial internal clearance                   | CN                      |
| Material, bearing                           | Bearing steel           |
| Coating                                     | Without                 |
| Sealing                                     | Without                 |
| Lubricant                                   | None                    |
| Relubrication feature                       | Without                 |
| Indicative carbon footprint for new product | 0.93 kg CO <sub>2</sub> |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 0.257 kg    |
| eClass code        | 23-05-08-01 |
| UNSPSC code        | 31171504    |

**SKF drawings**