

6003 JEM



Single row deep groove ball bearings are the most widely used bearing type and are particularly versatile. They have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They can accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types.

- Simple, versatile and robust design
- Low friction
- High-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

| Dimensions                           |              |
|--------------------------------------|--------------|
| Bore diameter                        | 17 mm        |
| Outside diameter                     | 35 mm        |
| Width                                | 10 mm        |
| Performance                          |              |
| Basic dynamic load rating            | 6.37 kN      |
| Basic static load rating             | 3.25 kN      |
| Reference speed                      | 45 000 r/min |
| Limiting speed                       | 28 000 r/min |
| AGA performance class                | AGA Explorer |
| Properties                           |              |
| Filling slots                        | Without      |
| Number of rows                       | 1            |
| Locating feature, bearing outer ring | None         |

|                           |               |
|---------------------------|---------------|
| Bore type                 | Cylindrical   |
| Cage                      | Sheet metal   |
| Matched arrangement       | No            |
| Radial internal clearance | C3            |
| Material, bearing         | Bearing steel |
| Coating                   | Without       |
| Sealing                   | Without       |
| Lubricant                 | None          |
| Relubrication feature     | Without       |
| Logistics                 |               |
| Product net weight        | 0.0372 kg     |
| eClass code               | 23-05-08-01   |
| UNSPSC code               | 31171504      |