

## 307-2Z



Single row deep groove ball bearings with filling slots and shields on one or both sides, accommodate more balls than standard deep groove ball bearings. They are of a simple, yet versatile, design and are robust in operation, requiring little maintenance. They can accommodate radial and axial loads in both directions. They have a higher radial load carrying capacity than the corresponding bearings without filling slots but have a limited axial load carrying capacity due to the filling slots. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

- Integral sealing prolongs bearing service life
- Simple, versatile and robust design
- Accommodate higher radial loads than corresponding bearings without filling slots, with limited axial loads in both directions
- Require little maintenance

### Dimensions

|                  |       |
|------------------|-------|
| Bore diameter    | 35 mm |
| Outside diameter | 80 mm |
| Width            | 21 mm |

### Performance

|                           |              |
|---------------------------|--------------|
| Basic dynamic load rating | 34.7 kN      |
| Basic static load rating  | 26.5 kN      |
| Reference speed           | 16 000 r/min |
| Limiting speed            | 7 600 r/min  |

### Properties

|                |      |
|----------------|------|
| Filling slots  | With |
| Number of rows | 1    |

|                                      |                      |
|--------------------------------------|----------------------|
| Locating feature, bearing outer ring | None                 |
| Bore type                            | Cylindrical          |
| Cage                                 | Sheet metal          |
| Matched arrangement                  | No                   |
| Radial internal clearance            | CN                   |
| Material, bearing                    | Bearing steel        |
| Coating                              | Without              |
| Sealing                              | Shield on both sides |
| Sealing type                         | Non-contact          |
| Lubricant                            | Grease               |
| Relubrication feature                | Without              |
| Logistics                            |                      |
| Product net weight                   | 0.501 kg             |
| eClass code                          | 23-05-08-01          |
| UNSPSC code                          | 31171504             |