

## 312-Z



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    | 60 mm  |
| Outside diameter | 130 mm |
| Width            | 31 mm  |

### Performance

|                           |             |
|---------------------------|-------------|
| Basic dynamic load rating | 91.3 kN     |
| Basic static load rating  | 78 kN       |
| Reference speed           | 9 500 r/min |
| Limiting speed            | 6 000 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 one side |
| Sealing type                         | Non-contact        |
| Lubricant                            | None               |
| Relubrication feature                | Without            |
| Logistics                            |                    |
| Product net weight                   | 1.89 kg            |
| eClass code                          | 23-05-08-01        |
| UNSPSC code                          | 31171504           |