

### 305-2ZNR



Single row deep groove ball bearings with filling slots, a snap ring, 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 snap ring, fitted in an annular groove in the outer ring, facilitates axial location of the bearings within their housings. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

- Snap ring facilitates axial location within housing
- 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             | 25 mm        |
| Outside diameter          | 62 mm        |
| Width                     | 17 mm        |
| Performance               |              |
| Basic dynamic load rating | 22.9 kN      |
| Basic static load rating  | 15.6 kN      |
| Reference speed           | 20 000 r/min |
| Limiting speed            | 10 400 r/min |
| Properties                |              |

|                                      |                      |
|--------------------------------------|----------------------|
| Filling slots                        | With                 |
| Number of rows                       | 1                    |
| Locating feature, bearing outer ring | Snap ring (fitted)   |
| 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                   | 0.237 kg             |
| eClass code                          | 23-05-08-01          |
| UNSPSC code                          | 31171504             |