



## SKF 6311-Z/C3

### Deep groove ball bearing with seals or shields

Single row deep groove ball bearings with seals or shields are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

## Technical specifications

| Dimensions       |        |
|------------------|--------|
| Bore diameter    | 55 mm  |
| Outside diameter | 120 mm |
| Width            | 29 mm  |

| Performance               |              |
|---------------------------|--------------|
| Basic dynamic load rating | 74.1 kN      |
| Basic static load rating  | 45 kN        |
| Reference speed           | 12000 r/min  |
| Limiting speed            | 8000 r/min   |
| SKF performance class     | SKF Explorer |

| Properties                                  |                        |
|---------------------------------------------|------------------------|
| Filling slots                               | Without                |
| Number of rows                              | 1                      |
| Locating feature, bearing outer ring        | Without                |
| Bore type                                   | Cylindrical            |
| Cage                                        | Sheet metal            |
| Matched arrangement                         | No                     |
| Radial internal clearance                   | C3                     |
| Material, bearing                           | Bearing steel          |
| Coating                                     | Without                |
| Sealing                                     | Shield on one side     |
| Sealing type                                | Non-contact            |
| Lubricant                                   | None                   |
| Relubrication feature                       | Without                |
| Indicative carbon footprint for new product | 4.9 kg CO <sub>2</sub> |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 1.35 kg     |
| eClass code        | 23-05-08-01 |
| UNSPSC code        | 31171504    |