



## SKF W 6206-2Z

### Stainless steel deep groove ball bearing with integral sealing

Stainless steel single row deep groove ball bearing with seals or shields on both sides, provide greater chemical and corrosion resistance. As with deep groove ball bearings generally, they 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 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     | 30 mm    |
| Outside diameter  | 62 mm    |
| Width             | 16 mm    |
| Shoulder diameter | 40.7 mm  |
| Recess diameter   | 40.7 mm  |
| Recess diameter   | 55.13 mm |
| Chamfer dimension | 1 mm     |

| Abutment dimensions               |         |
|-----------------------------------|---------|
| Diameter of shaft abutment        | 35 mm   |
| Diameter of shaft abutment        | 40.5 mm |
| Diameter of housing abutment      | 57 mm   |
| Radius of shaft or housing fillet | 1 mm    |

| Calculation data          |             |
|---------------------------|-------------|
| Basic dynamic load rating | 16.5 kN     |
| Basic static load rating  | 11.2 kN     |
| Fatigue load limit        | 0.48 kN     |
| Reference speed           | 26000 r/min |
| Limiting speed            | 13000 r/min |
| Minimum load factor       | 0.03        |
| Calculation factor        | 13.9        |

| Performance               |             |
|---------------------------|-------------|
| Basic dynamic load rating | 16.5 kN     |
| Basic static load rating  | 11.2 kN     |
| Reference speed           | 26000 r/min |
| Limiting speed            | 13000 r/min |

| Properties                                  |                          |
|---------------------------------------------|--------------------------|
| Filling slots                               | Without                  |
| Number of rows                              | 1                        |
| Locating feature, bearing outer ring        | Without                  |
| Bore type                                   | Cylindrical              |
| Cage                                        | Stamped stainless steel  |
| Matched arrangement                         | No                       |
| Radial internal clearance                   | CN                       |
| Material, bearing                           | Stainless steel          |
| Coating                                     | Without                  |
| Sealing                                     | Shield on both sides     |
| Sealing type                                | Non-contact              |
| Lubricant                                   | Grease                   |
| Relubrication feature                       | Without                  |
| Indicative carbon footprint for new product | 0.7 kg CO <sub>2</sub> e |

| Logistics          |          |
|--------------------|----------|
| Product net weight | 0.194 kg |

|             |             |
|-------------|-------------|
| eClass code | 23-05-08-01 |
| UNSPSC code | 31171504    |

**SKF drawings**

