

## W 6206-2Z Deep groove ball

### bearings

Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance](#),

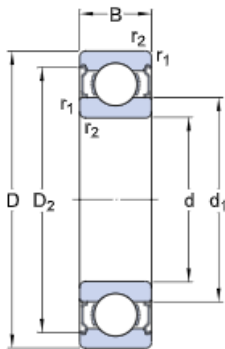
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

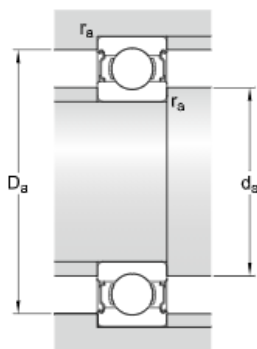
[Tolerances and resultant fits](#)

## Technical specification



### DIMENSIONS

|                  |            |
|------------------|------------|
| d                | 30 mm      |
| D                | 62 mm      |
| B                | 16 mm      |
| d <sub>1</sub>   | ≈ 40.7 mm  |
| d <sub>2</sub>   | ≈ 40.7 mm  |
| D <sub>2</sub>   | ≈ 55.13 mm |
| r <sub>1,2</sub> | min. 1 mm  |



### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | min. 35 mm   |
| d <sub>a</sub> | max. 40.5 mm |
| D <sub>a</sub> | max. 57 mm   |
| r <sub>a</sub> | max. 1 mm    |

## CALCULATION DATA

|                           |                |              |
|---------------------------|----------------|--------------|
| Basic dynamic load rating | C              | 16.5 kN      |
| Basic static load rating  | C <sub>0</sub> | 11.2 kN      |
| Fatigue load limit        | P <sub>u</sub> | 0.48 kN      |
| Reference speed           |                | 26 000 r/min |
| Limiting speed            |                | 13 000 r/min |
| Calculation factor        | k <sub>r</sub> | 0.03         |
| Calculation factor        | f <sub>0</sub> | 13.9         |

## MASS

|              |  |        |
|--------------|--|--------|
| Mass bearing |  | 0.2 kg |
|--------------|--|--------|

## More information

| Product details   | Engineering information                                 | Tools  |
|---|---|--|
| <a href="#">Single row deep groove ball bearings</a>                    | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Bearing Select</a>   |
| <a href="#">Stainless steel deep groove ball bearings</a>               | <a href="#">General bearing knowledge</a>               | <a href="#">SimPro Quick</a>   |
| <a href="#">Single row deep groove ball bearings with filling slots</a> | <a href="#">Bearing selection process</a>               | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Double row deep groove ball bearings</a>                    | <a href="#">Bearing interfaces</a>                      | <a href="#">LubeSelect for SKF greases</a>                             |
| <a href="#">Bearing data</a>  | <a href="#">Seat tolerances for standard conditions</a> | <a href="#">Heater selection tool</a>                                  |
| <a href="#">Loads</a>   | <a href="#">Selecting internal clearance</a>            | <a href="#">Rolling bearings mounting and dismounting instructions</a> |
| <a href="#">Temperature limits</a>                                      | <a href="#">Lubrication</a>                             |  |
| <a href="#">Permissible speed</a>                                       | <a href="#">Sealing, mounting and dismounting</a>       |  |
| <a href="#">Designation system</a>                                      | <a href="#">Bearing failure and how to prevent it</a>   |  |

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