



# W 61804-2Z Deep groove ball bearings

Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

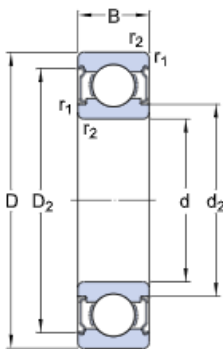
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

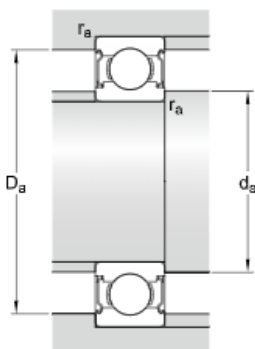


### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 20 mm       |
| D                | 32 mm       |
| B                | 7 mm        |
| d <sub>2</sub>   | ≈ 22.6 mm   |
| D <sub>2</sub>   | ≈ 29.52 mm  |
| r <sub>1,2</sub> | min. 0.3 mm |

### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | min. 22 mm   |
| d <sub>a</sub> | max. 22.5 mm |
| D <sub>a</sub> | max. 30.5 mm |
| r <sub>a</sub> | max. 0.3 mm  |



## CALCULATION DATA

|                           |       |              |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C     | 3.12 kN      |
| Basic static load rating  | $C_0$ | 2.08 kN      |
| Fatigue load limit        | $P_u$ | 0.09 kN      |
| Reference speed           |       | 48 000 r/min |
| Limiting speed            |       | 24 000 r/min |
| Calculation factor        | $k_r$ | 0.02         |
| Calculation factor        | $f_0$ | 13.3         |

## MASS

|              |  |          |
|--------------|--|----------|
| Mass bearing |  | 0.017 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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