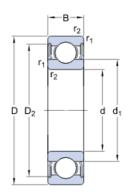
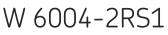


# Technical specification





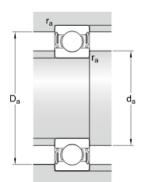
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# Deep groove ball bearings

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

### DIMENSIONS

| d                | 20 mm       |
|------------------|-------------|
| D                | 42 mm       |
| В                | 12 mm       |
| d <sub>1</sub>   | ≈ 27.6 mm   |
| d <sub>2</sub>   | ≈ 27.6 mm   |
| D <sub>2</sub>   | ≈ 38.75 mm  |
| r <sub>1,2</sub> | min. 0.6 mm |



## ABUTMENT DIMENSIONS

| d <sub>a</sub> | min. 24 mm   |
|----------------|--------------|
| d <sub>a</sub> | max. 27.5 mm |
| D <sub>a</sub> | max. 39.5 mm |
| r <sub>a</sub> | max. 0.6 mm  |



# CALCULATION DATA

| Basic dynamic load rating | С              | 8.06 kN     |
|---------------------------|----------------|-------------|
| Basic static load rating  | C <sub>0</sub> | 5 kN        |
| Fatigue load limit        | P <sub>u</sub> | 0.212 kN    |
| Limiting speed            |                | 11000 r/min |
| Calculation factor        | k <sub>r</sub> | 0.03        |
| Calculation factor        | f <sub>0</sub> | 13.9        |

### MASS

| Mass bearing | 0.064 kg |
|--------------|----------|
|--------------|----------|

## More information

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



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