

# 61902-2RS1 Deep groove ball bearings

Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

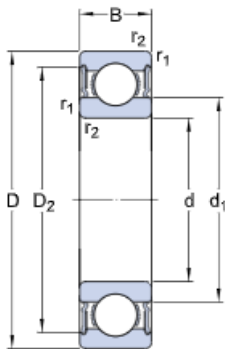
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

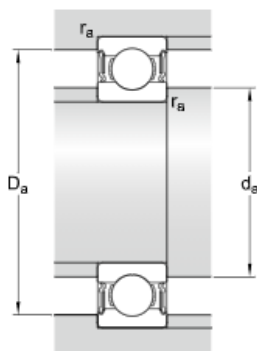
[Tolerances and resultant fits](#)

## Technical specification



### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 15 mm       |
| D                | 28 mm       |
| B                | 7 mm        |
| d <sub>1</sub>   | ≈ 18.8 mm   |
| D <sub>2</sub>   | ≈ 25.3 mm   |
| r <sub>1,2</sub> | min. 0.3 mm |



### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | min. 17 mm   |
| d <sub>a</sub> | max. 18.3 mm |
| D <sub>a</sub> | max. 26 mm   |
| r <sub>a</sub> | max. 0.3 mm  |

## CALCULATION DATA

|                           |       |              |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C     | 4.36 kN      |
| Basic static load rating  | $C_0$ | 2.24 kN      |
| Fatigue load limit        | $P_u$ | 0.095 kN     |
| Limiting speed            |       | 16 000 r/min |
| Calculation factor        | $k_r$ | 0.02         |
| Calculation factor        | $f_0$ | 14.3         |

## MASS

|              |          |
|--------------|----------|
| Mass bearing | 0.016 kg |
|--------------|----------|

## More information

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

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