



6008-2RS1

Popular item
SKF Explorer

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

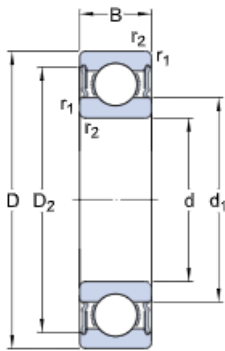
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

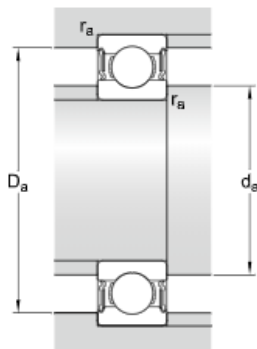
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

| | |
|---|------------|
| d | 40 mm |
| D | 68 mm |
| B | 15 mm |
| | ≈ 49.25 mm |
| | ≈ 61.1 mm |
| | min. 1 mm |



ABUTMENT DIMENSIONS

| | |
|--|--------------|
| | min. 44.6 mm |
| | max. 49.2 mm |
| | max. 63.4 mm |
| | max. 1 mm |

CALCULATION DATA

| | | |
|---------------------------|---|------------|
| Basic dynamic load rating | C | 17.8 kN |
| Basic static load rating | | 11 kN |
| Fatigue load limit | | 0.49 kN |
| Limiting speed | | 6300 r/min |
| Calculation factor | | 0.025 |
| Calculation factor | | 15 |

MASS

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

More information

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

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