



W 6300-2RS1

Popular item

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

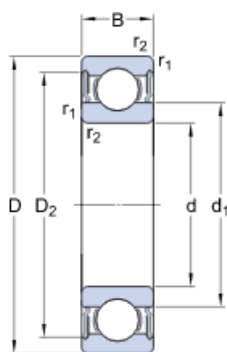
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

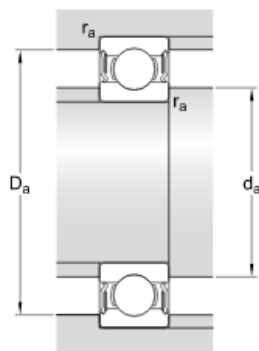
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

| | |
|------------------|-------------|
| d | 10 mm |
| D | 35 mm |
| B | 11 mm |
| d ₁ | ≈ 17.7 mm |
| d ₂ | ≈ 17.7 mm |
| D ₂ | ≈ 29.3 mm |
| r _{1,2} | min. 0.6 mm |



ABUTMENT DIMENSIONS

| | |
|----------------|--------------|
| d _a | min. 14 mm |
| d _a | max. 17.5 mm |
| D _a | max. 31 mm |
| r _a | max. 0.6 mm |

CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 7.02 kN |
| Basic static load rating | C ₀ | 3.4 kN |
| Fatigue load limit | P _u | 0.146 kN |
| Limiting speed | | 15000 r/min |
| Calculation factor | k _r | 0.035 |
| Calculation factor | f ₀ | 11.2 |

MASS

| | |
|--------------|----------|
| Mass bearing | 0.052 kg |
|--------------|----------|

More information

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