

6301-2RSH

Popular item
SKF Explorer

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

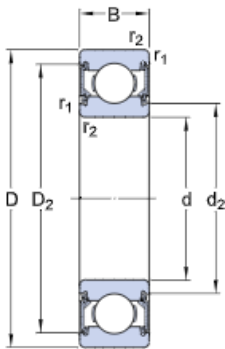
Matched bearing pairs, Stainless steel
 $d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

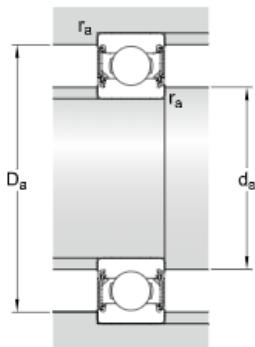


DIMENSIONS

| | |
|-----------|------------|
| d | 12 mm |
| D | 37 mm |
| B | 12 mm |
| d_2 | ≈ 17.5 mm |
| D_2 | ≈ 31.48 mm |
| $r_{1,2}$ | min. 1 mm |

ABUTMENT DIMENSIONS

| | |
|-------|--------------|
| d_a | min. 17.6 mm |
| d_a | max. 17.8 mm |
| D_a | max. 31.4 mm |
| r_a | max. 1 mm |



CALCULATION DATA

| | | |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C | 10.1 kN |
| Basic static load rating | C_0 | 4.15 kN |
| Fatigue load limit | P_u | 0.176 kN |
| Limiting speed | | 14 000 r/min |
| Calculation factor | k_r | 0.03 |
| Calculation factor | f_0 | 11 |

MASS

| | |
|--------------|----------|
| Mass bearing | 0.062 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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