



3309 A-2RS1

Popular item
SKF Explorer

Angular contact ball bearings, double row

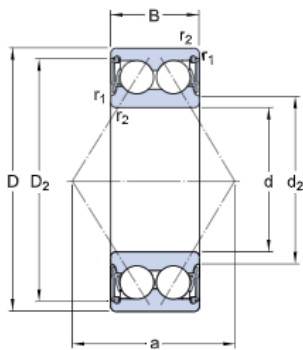
Bearing data

[Tolerances](#),
Normal, P6, P5,
[Internal clearance](#),
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification

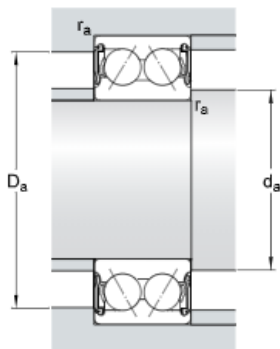


DIMENSIONS

| | |
|------------------|-------------|
| d | 45 mm |
| D | 100 mm |
| B | 39.7 mm |
| d ₂ | ≈ 55.6 mm |
| D ₂ | ≈ 89.95 mm |
| r _{1,2} | min. 1.5 mm |
| a | 58 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| d _a | min. 54 mm |
| d _a | max. 91 mm |
| D _a | max. 91 mm |
| r _a | max. 1.5 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C | 75 kN |
| Basic static load rating | C ₀ | 53 kN |
| Fatigue load limit | P _u | 2.24 kN |
| Limiting speed | | 4800 r/min |
| Calculation factor | k _r | 0.07 |
| Calculation factor | e | 0.8 |
| Calculation factor | X | 0.63 |
| Calculation factor | Y ₀ | 0.66 |
| Calculation factor | Y ₁ | 0.78 |
| Calculation factor | Y ₂ | 1.24 |

MASS

| | | |
|--------------|--|---------|
| Mass bearing | | 1.25 kg |
|--------------|--|---------|

More information

| Product details | Engineering information | Tools |
|--|---|--|
| Designs and variants <hr/> | Principles of rolling bearing selection <hr/> | Bearing Select <hr/> |
| Bearing data <hr/> | General bearing knowledge <hr/> | SimPro Quick <hr/> |
| Loads <hr/> | Bearing selection process <hr/> | Engineering Calculator <hr/> |
| Temperature limits <hr/> | Bearing interfaces <hr/> | LubeSelect for SKF greases <hr/> |
| Permissible speed <hr/> | Seat tolerances for standard conditions <hr/> | Heater selection tool <hr/> |
| Designation system <hr/> | Selecting internal clearance or preload <hr/> | Rolling bearings mounting and dismounting instructions <hr/> |
| | Lubrication <hr/> | |
| | Sealing, mounting and dismounting <hr/> | |
| | Bearing failure and how to prevent it <hr/> | |

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