



3306 A

Popular item
SKF Explorer

Angular contact ball bearings, double row

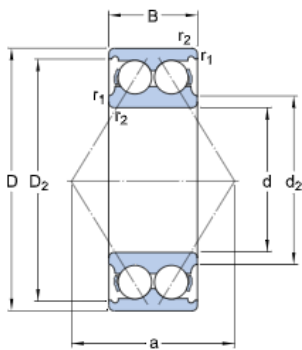
Bearing data

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

Bearing interfaces

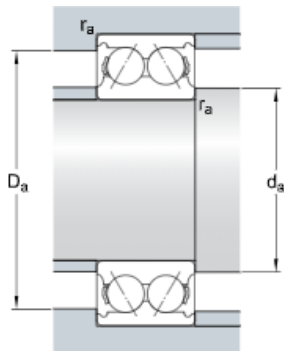
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

| | |
|------------------|-------------|
| d | 30 mm |
| D | 72 mm |
| B | 30.2 mm |
| d ₂ | ≈ 39.8 mm |
| D ₂ | ≈ 64.1 mm |
| r _{1,2} | min. 1.1 mm |
| a | 42 mm |



ABUTMENT DIMENSIONS

| | |
|----------------|------------|
| d _a | min. 37 mm |
| D _a | max. 65 mm |
| r _a | max. 1 mm |

CALCULATION DATA

| | | |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C | 42.5 kN |
| Basic static load rating | C_0 | 30 kN |
| Fatigue load limit | P_u | 1.27 kN |
| Reference speed | | 10000 r/min |
| Limiting speed | | 9000 r/min |
| Calculation factor | k_f | 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 | 0.52 kg |
|--------------|---------|

More information

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

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