



7310 ACCBM

SKF Explorer

Angular contact ball bearings, single row

Bearing data

[Tolerances](#),

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

[Internal clearance](#),

CA+CB+CC, G,

[Preload](#),

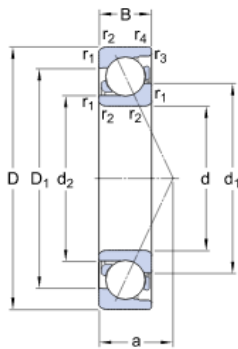
GA+GB+GC

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

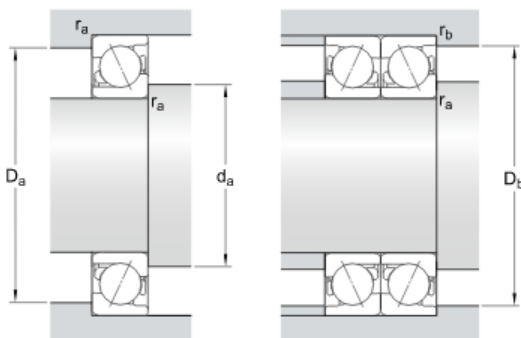


DIMENSIONS

| | |
|------------------|-------------|
| d | 50 mm |
| D | 110 mm |
| B | 27 mm |
| d ₁ | ≈ 73.64 mm |
| d ₂ | ≈ 61.1 mm |
| D ₁ | ≈ 88.4 mm |
| D ₅ | ≈ 101.08 mm |
| a | 32 mm |
| r _{1,2} | min. 2 mm |
| r _{3,4} | min. 1 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| d _a | min. 61 mm |
| D _a | max. 99 mm |
| D _b | max. 104 mm |
| r _a | max. 2 mm |
| r _b | max. 1 mm |



CALCULATION DATA

| | | |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C | 83 kN |
| Basic static load rating | C_0 | 57 kN |
| Fatigue load limit | P_u | 2.4 kN |
| Reference speed | | 8000 r/min |
| Limiting speed | | 12000 r/min |
| Calculation factor | A | 0.017 |
| Calculation factor | k_r | 0.1 |
| Calculation factor | e | 0.68 |

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

| | | |
|--------------------|-------|------|
| Calculation factor | X | 0.41 |
| Calculation factor | Y_0 | 0.38 |
| Calculation factor | Y_2 | 0.87 |

BEARING PAIR ARRANGED BACK-TO-BACK OR FACE-TO-FACE

| | | |
|--------------------|-------|------|
| Calculation factor | X | 0.67 |
| Calculation factor | Y_0 | 0.76 |
| Calculation factor | Y_1 | 0.92 |
| Calculation factor | Y_2 | 1.41 |

MASS

| | | |
|--------------|--|--------|
| Mass bearing | | 1.1 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 |
| Design considerations | Selecting internal clearance or preload | Rolling bearings mounting and dismounting instructions |
| Designation system | Lubrication | |
| | Sealing, mounting and dismounting | |
| | Bearing failure and how to prevent it | |

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