

7204 BECBM

Popular item
SKF Explorer

Angular contact ball bearings, single row

Bearing data

[Tolerances](#),

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

[Internal clearance](#),

CA+CB+CC, G,

[Preload](#),

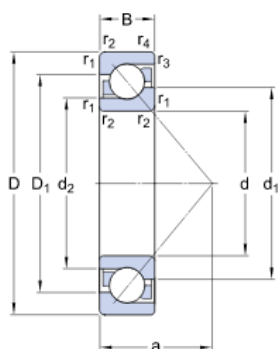
GA+GB+GC

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

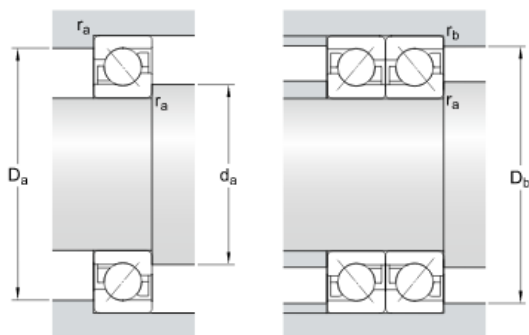


DIMENSIONS

| | |
|------------------|-------------|
| d | 20 mm |
| D | 47 mm |
| B | 14 mm |
| d ₁ | ≈ 30.8 mm |
| d ₂ | ≈ 25.87 mm |
| D ₁ | ≈ 37 mm |
| a | 21 mm |
| r _{1,2} | min. 1 mm |
| r _{3,4} | min. 0.6 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|--------------|
| d _a | min. 25.6 mm |
| D _a | max. 41.4 mm |
| D _b | max. 42.8 mm |
| r _a | max. 1 mm |
| r _b | max. 0.6 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 14.3 kN |
| Basic static load rating | C ₀ | 8.15 kN |
| Fatigue load limit | P _u | 0.345 kN |
| Reference speed | | 19000 r/min |
| Limiting speed | | 24000 r/min |
| Calculation factor | A | 0.00113 |
| Calculation factor | k _r | 0.095 |
| Calculation factor | e | 1.14 |

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

| | | |
|--------------------|----------------|------|
| Calculation factor | X | 0.35 |
| Calculation factor | Y ₀ | 0.26 |
| Calculation factor | Y ₂ | 0.57 |

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

| | | |
|--------------------|----------------|------|
| Calculation factor | X | 0.57 |
| Calculation factor | Y ₀ | 0.52 |
| Calculation factor | Y ₁ | 0.55 |
| Calculation factor | Y ₂ | 0.93 |

MASS

| | |
|--------------|---------|
| Mass bearing | 0.11 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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