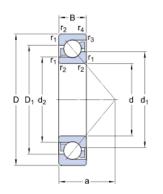


Technical specification



7315 BECBM

Popular item SKF Explorer

Angular contact ball bearings, single row

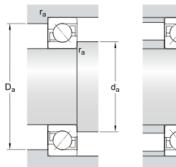
Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Internal clearance, CA+CB+CC, G, Preload, GA+GB+GC Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

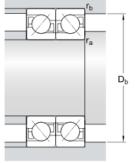
DIMENSIONS

| d | 75 mm |
|------------------|-------------|
| D | 160 mm |
| В | 37 mm |
| d ₁ | ≈ 108.25 mm |
| d ₂ | ≈ 91.13 mm |
| D ₁ | ≈ 128.9 mm |
| a | 68 mm |
| r _{1,2} | min. 2.1 mm |
| r _{3,4} | min. 1.1 mm |

ABUTMENT DIMENSIONS

| d _a | min. 87 mm |
|----------------|-------------|
| D _a | max. 148 mm |
| D _b | max. 153 mm |
| r _a | max. 2 mm |
| r _b | max. 1 mm |







CALCULATION DATA

| Basic dynamic load rating | С | 132 kN |
|---------------------------|----------------|------------|
| Basic static load rating | C ₀ | 104 kN |
| Fatigue load limit | P _u | 4.15 kN |
| Reference speed | | 5300 r/min |
| Limiting speed | | 6700 r/min |
| Calculation factor | А | 0.171 |
| Calculation factor | k _r | 0.1 |
| Calculation factor | е | 1.14 |

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

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

MASS

| Mass bearing | 3.2 kg |
|--------------|--------|
|--------------|--------|



More information

Product details

Designs and variants

Bearing data

Loads

Temperature limits

Permissible speed

Design considerations

Designation system

Engineering information

Principles of rolling bearing selection

General bearing knowledge

Bearing selection process

Bearing interfaces

Seat tolerances for standard conditions

Selecting internal clearance or preload

Lubrication

Sealing, mounting and dismounting

Bearing failure and how to prevent it

Tools

Bearing Select

SimPro Quick

Engineering Calculator

LubeSelect for SKF greases

Heater selection tool

Rolling bearings mounting and dismounting instructions



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