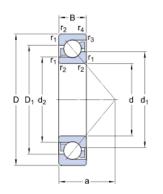


Technical specification



7240 BCBM

Popular item

Angular contact ball bearings, single row

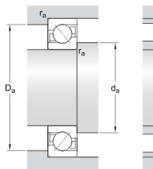
Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Internal clearance, CA+CB+CC, G, Preload, GA+GB+GC Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

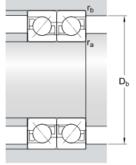
DIMENSIONS

d	200 mm
D	360 mm
В	58 mm
d ₁	≈ 263.3 mm
d ₂	≈ 235.1 mm
D ₁	≈ 300.8 mm
a	146 mm
r _{1,2}	min. 4 mm
r _{3,4}	min. 1.5 mm

ABUTMENT DIMENSIONS

d _a	min. 217 mm
D _a	max. 343 mm
D _b	max. 351 mm
r _a	max. 3 mm
r _b	max. 1.5 mm







CALCULATION DATA

Basic dynamic load rating	С	325 kN
Basic static load rating	CO	430 kN
Fatigue load limit	Pu	11 kN
Reference speed		2000 r/min
Limiting speed		2400 r/min
Calculation factor	А	3.2
Calculation factor	k _r	0.08
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	25 kg
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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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