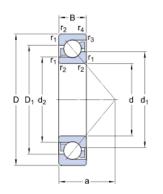


Technical specification



7314 BEGBY

SKF Explorer

Angular contact ball bearings, single row

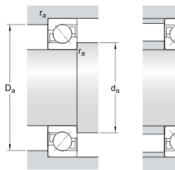
Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Internal clearance, CA+CB+CC, G, Preload, GA+GB+GC Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

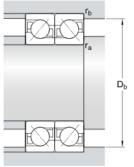
DIMENSIONS

d	70 mm
D	150 mm
В	35 mm
d ₁	≈ 101.1 mm
d ₂	≈ 84.4 mm
D ₁	≈ 121.5 mm
a	64 mm
r _{1,2}	min. 2.1 mm
r _{3,4}	min. 1.1 mm



d _a	min. 82 mm
D _a	max. 138 mm
D _b	max. 143 mm
r _a	max. 2 mm
r _b	max. 1 mm







CALCULATION DATA

Basic dynamic load rating	С	127 kN
Basic static load rating	C _O	98 kN
Fatigue load limit	Pu	3.9 kN
Reference speed		5600 r/min
Limiting speed		5600 r/min
Calculation factor	А	0.145
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	2.65 kg
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More information

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Loads

Temperature limits

Permissible speed

Design considerations

Designation system

Engineering information

Principles of rolling bearing selection

General bearing knowledge

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Bearing interfaces

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Lubrication

Sealing, mounting and dismounting

Bearing failure and how to prevent it

Tools

Bearing Select

SimPro Quick

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LubeSelect for SKF greases

Heater selection tool

Rolling bearings mounting and dismounting instructions



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