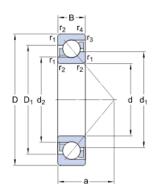
SKF.



Technical specification



7309 BEGAPH

SKF Explorer

Angular contact ball bearings, single row

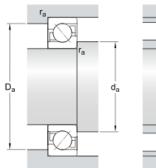
Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Internal clearance, CA+CB+CC, G, Preload, GA+GB+GC Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

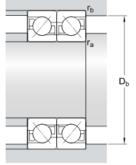
DIMENSIONS

d	45 mm
D	100 mm
В	25 mm
d ₁	≈ 66.5 mm
d ₂	≈ 55.25 mm
D ₁	≈ 79.9 mm
a	43 mm
r _{1,2}	min. 1.5 mm
r _{3,4}	min. 1 mm

ABUTMENT DIMENSIONS

d _a	min. 54 mm
D _a	max. 91 mm
D _b	max. 94.4 mm
r _a	max. 1.5 mm
r _b	max. 1 mm







CALCULATION DATA

Basic dynamic load rating	С	61 kN
Basic static load rating	C ₀	40.5 kN
Fatigue load limit	Pu	1.73 kN
Reference speed		8500 r/min
Limiting speed		9000 r/min
Calculation factor	А	0.0268
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	0.82 kg
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More information

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Loads

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Permissible speed

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Designation system

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General bearing knowledge

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Bearing Select

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Rolling bearings mounting and dismounting instructions



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