

7212 BEGAM

SKF Explorer

Angular contact ball bearings, single row

Bearing data

Tolerances,

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

Internal clearance,

CA+CB+CC, G,

Preload,

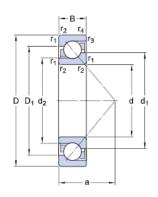
GA+GB+GC

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

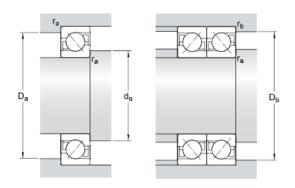


DIMENSIONS

d	60 mm
D	110 mm
В	22 mm
d_1	≈ 79.6 mm
d_2	≈ 69.32 mm
D_1	≈ 91.55 mm
a	47 mm
r _{1,2}	min. 1.5 mm
r _{3,4}	min. 1 mm

ABUTMENT DIMENSIONS

d_a	min. 69 mm
D_a	max. 101 mm
D_b	max. 104 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	50 kN
Fatigue load limit	P_{u}	2.12 kN
Reference speed		7000 r/min
Limiting speed		9500 r/min
Calculation factor	Α	0.0344
Calculation factor	k_r	0.095
Calculation factor	е	1.14

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

Calculation factor	Χ	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	0.8 kg
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More information

Engineering information	Tools
Principles of rolling bearing	Bearing Select
General bearing knowledge	SimPro Quick
Bearing selection process	Engineering Calculator
	LubeSelect for SKF greases
Seat tolerances for	Heater selection tool
standard conditions	Rolling bearings mounting
Selecting internal clearance or preload	and dismounting instructions
	Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing interfaces Seat tolerances for standard conditions Selecting internal clearance

Lubrication

dismounting

prevent it

Sealing, mounting and

Bearing failure and how to



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