

3214 A

Popular item

Angular contact ball bearings, double row

Bearing data Tolerances, Normal, P6, P5,

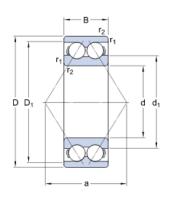
Internal clearance, table, drawing no

Bearing interfaces
Seat tolerances for standard

conditions,

Tolerances and resultant fit

Technical specification

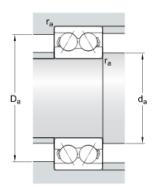


DIMENSIONS

d	70 mm
D	125 mm
В	39.7 mm
d_1	≈ 88.5 mm
D_1	≈ 107.03 mm
r _{1,2}	min. 1.5 mm
a	74 mm

ABUTMENT DIMENSIONS

d_a	min. 79 mm
D_a	max. 116 mm
r _a	max. 1.5 mm





CALCULATION DATA

Basic dynamic load rating	С	88.4 kN
Basic static load rating	C_0	80 kN
Fatigue load limit	$P_{\rm u}$	3.4 kN
Reference speed		5600 r/min
Limiting speed		4500 r/min
Calculation factor	k_r	0.06
Calculation factor	е	0.8
Calculation factor	Χ	0.63
Calculation factor	Y_0	0.66
Calculation factor	Y ₁	0.78
Calculation factor	Y ₂	1.24

MASS

Mass bearing	1.9 kg
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5KF.



More information

Designs and variants

Bearing data

Loads

Temperature limits

Permissible speed

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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