



3314 A-2Z

SKF Explorer

Angular contact ball bearings, double row

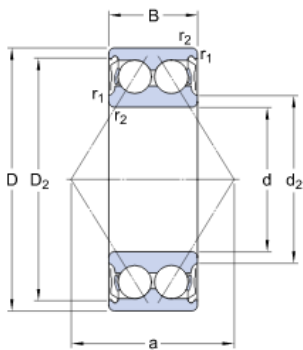
Bearing data

Tolerances,
Normal, P6, P5,
Internal clearance,
table, drawing no

Bearing interfaces

Seat tolerances for standard
conditions,
Tolerances and resultant fit

Technical specification

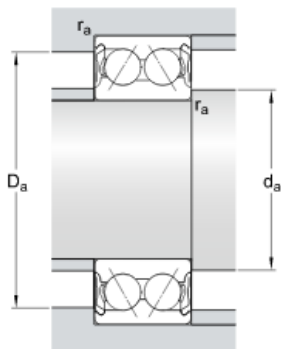


DIMENSIONS

d	70 mm
D	150 mm
B	63.5 mm
d ₂	≈ 86.5 mm
D ₂	≈ 136.16 mm
r _{1,2}	min. 2.1 mm
a	89 mm

ABUTMENT DIMENSIONS

d _a	min. 82 mm
d _a	max. 84 mm
D _a	max. 138 mm
r _a	max. 2 mm



CALCULATION DATA

Basic dynamic load rating	C	163 kN
Basic static load rating	C ₀	125 kN
Fatigue load limit	P _u	5 kN
Reference speed		5000 r/min
Limiting speed		4300 r/min
Calculation factor	k _r	0.07
Calculation factor	e	0.8
Calculation factor	X	0.63
Calculation factor	Y ₀	0.66
Calculation factor	Y ₁	0.78
Calculation factor	Y ₂	1.24

MASS

Mass bearing	5.05 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	Bearing Select
Bearing data	General bearing knowledge	SimPro Quick
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Designation system	Selecting internal clearance or preload	Rolling bearings mounting and dismounting instructions
	Lubrication	
	Sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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