



7203 BEP

Popular item

Angular contact ball bearings, single row

Bearing data

[Tolerances,](#)

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

[Internal clearance,](#)

CA+CB+CC, G,

[Preload,](#)

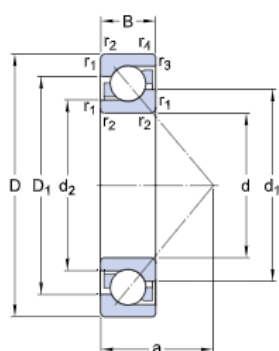
GA+GB+GC

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

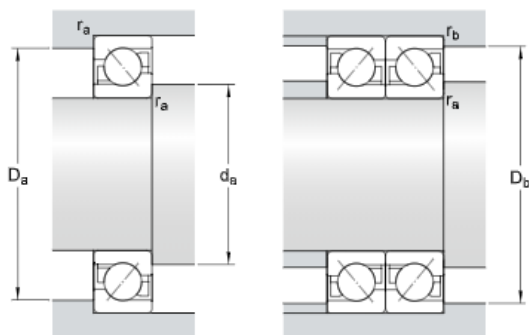


DIMENSIONS

d	17 mm
D	40 mm
B	12 mm
d ₁	≈ 26.25 mm
d ₂	≈ 21.66 mm
D ₁	≈ 31.15 mm
a	18 mm
r _{1,2}	min. 0.6 mm
r _{3,4}	min. 0.6 mm

ABUTMENT DIMENSIONS

d _a	min. 21.2 mm
D _a	max. 35.8 mm
D _b	max. 35.8 mm
r _a	max. 0.6 mm
r _b	max. 0.6 mm



CALCULATION DATA

Basic dynamic load rating	C	10.4 kN
Basic static load rating	C ₀	5.5 kN
Fatigue load limit	P _u	0.236 kN
Reference speed		22000 r/min
Limiting speed		20000 r/min
Calculation factor	A	0.000625
Calculation factor	k _r	0.095
Calculation factor	e	1.14

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

Calculation factor	X	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	0.065 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
Design considerations	Selecting internal clearance or preload	Rolling bearings mounting and dismounting instructions
Designation system	Lubrication	
	Sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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