



C 2217 K

Popular item
SKF Explorer

CARB toroidal roller bearings

Bearing data

Tolerances,

Normal, P5, tapered bore 1:12,
tapered bore 1:30,

Radial internal clearance,

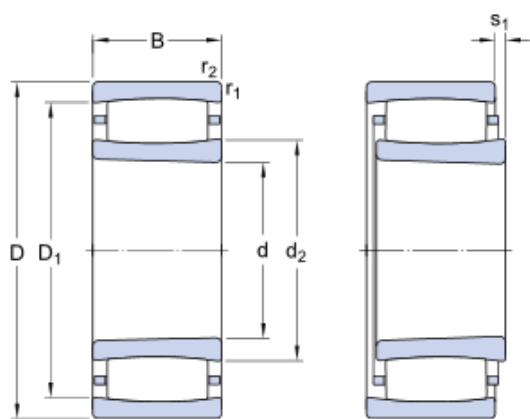
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

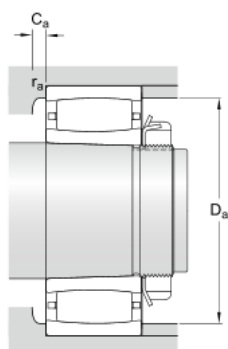
Tolerances and resultant fit

Technical Specification



DIMENSIONS

d	85 mm
D	150 mm
B	36 mm
d ₂	≈ 103 mm
D ₁	≈ 133 mm
s ₁	max. 7.1 mm
r _{1,2}	min. 2 mm



ABUTMENT DIMENSIONS

D _a	min. 123 mm
D _a	max. 139 mm
C _a	min. 1.3 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	275 kN
Basic static load rating	C ₀	320 kN
Fatigue load limit	P _u	35.5 kN
Reference speed		4000 r/min
Limiting speed		5600 r/min
Misalignment factor	k ₁	0.114
Operating clearance factor	k ₂	0.105

MASS

Mass bearing	2.6 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	Housing Select
Permissible speed		LubeSelect for SKF greases
Design considerations		Drive-up Method Program
Mounting		Heater selection tool
Designation system		Oil Injection Method Program
		Rolling bearings mounting and dismounting instructions
		Tool and Accessory Selector for sleeves and shafts

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