

23220 CCK/W33

Popular item SKF Explorer

Spherical roller bearings

Bearing data

Tolerances,

Normal, P6, P5, tapered bore 1:12, tapered bore 1:30,

Radial internal clearance,

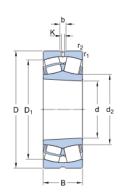
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

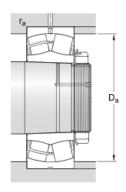


DIMENSIONS

d	100 mm
D	180 mm
В	60.3 mm
d_2	≈ 117 mm
D_1	≈ 153 mm
b	8.3 mm
K	4.5 mm
r _{1,2}	min. 2.1 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 168	mm
r _a	max. 2	mm





CALCULATION DATA

Basic dynamic load rating	С	498 kN
Basic static load rating	C_0	600 kN
Fatigue load limit	P_{u}	63 kN
Reference speed		2400 r/min
Limiting speed		3400 r/min
Calculation factor	е	0.33
Calculation factor	Y_1	2
Calculation factor	Y ₂	3
Calculation factor	Y_0	2

MASS

Mass bearing 6.4

MOUNTING INFORMATION

Recommended lock nut tightening angle	α	150°
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5KF.



More information

Engineering information	Tools
Principles of rolling bearing selection	SimPro Quick
General bearing knowledge	Bearing Select
Bearing failure and how to	Engineering Calculator
	Housing Select
prevent it	LubeSelect for SKF greases
	Drive-up Method Program
	Heater selection tool
	Oil Injection Method Program
	Rolling bearings mounting and dismounting instructions
	Tool and Accessory Selector for sleeves and shafts
	Principles of rolling bearing selection General bearing knowledge Bearing selection process Bearing failure and how to





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