

231/1000 CAKF/W33

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

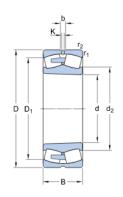
Bearing interfaces

Seat tolerances for standard

conditions,

Tolerances and resultant fit

Technical specification

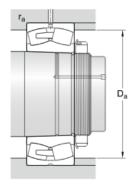


DIMENSIONS

1	1000
d	1000 mm
D	1580 mm
D	//2
В	462 mm
d ₂	≈ 1185 mm
D	≈ 1403 mm
D_1	≈ 1403 IIIII
b	22.3 mm
K	12 mm
r _{1,2}	min. 12 mm
1,2	==
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 1532 mm
r _a	max. 10 mm





CALCULATION DATA

Basic dynamic load rating	С	25650 kN
Basic static load rating	C_0	48000 kN
Fatigue load limit	P_{u}	2550 kN
Reference speed		140 r/min
Limiting speed		280 r/min
Calculation factor	е	0.28
Calculation factor	Y ₁	2.4
Calculation factor	Y ₂	3.6
Calculation factor	Y ₀	2.5

MASS

Mass bearing	3380 kg
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5KF.



More information

Product details	Product details	Engineering in	fornEantojonneering in	formTartoten	Tools
Designs	Designs and	Principles	Principles	SimPro Quick	SimPro Quick
variants Bearing data	variants Bearing data	of rolling bearing selection General bearing k nowledge Bearing selection process	of rolling bearing -selection General bearing k nowledge	Bearing Select	Bearing Select
Loads	Loads			Engineer ing Calcul ator	Engineer ing Calcul ator
ture	ture limits			Housing Select	Housing Select
Permissi ble speed	Permissi ble speed	Bearing failure	Bearing failure	LubeSele ct for SKF greases	LubeSele ct for SKF greases
Design c onsiderati ons	Design c onsiderati ons	and how to prevent it	and how to prevent it	Drive-up Method Program	Drive-up Method Program
Mounting	Mounting			Heater selection tool	Heater selection tool
Designati on system	Designati on system			Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio	Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio
				Accessory Selector for sleeves and shafts	Accessory Selector for sleeves and shafts





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