

# 23024 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

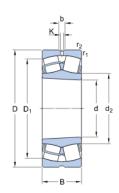
Bearing interfaces

Seat tolerances for standard

conditions,

Tolerances and resultant fit

## Technical specification

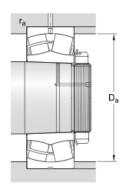


#### **DIMENSIONS**

d	120 mm
D	180 mm
В	46 mm
$d_2$	≈ 135 mm
$D_1$	≈ 163 mm
b	6 mm
K	3 mm
r <sub>1,2</sub>	min. 2 mm
Tapered bore, taper 1:12	

### ABUTMENT DIMENSIONS

D <sub>a</sub>	max. 171 mm
r <sub>a</sub>	max. 2 mm





### CALCULATION DATA

Basic dynamic load rating	С	366 kN
Basic static load rating	$C_0$	500 kN
Fatigue load limit	$P_{u}$	52 kN
Reference speed		3200 r/min
Limiting speed		4000 r/min
Calculation factor	е	0.22
Calculation factor	$Y_1$	3
Calculation factor	Y <sub>2</sub>	4.6
Calculation factor	Y <sub>0</sub>	2.8

#### MASS

Mass bearing	3.9 kg





### More information

Product details	Product details	Engineering in	fornEantojomeering in	formTadolon	Tools
Designs	Designs and	Principles	Principles	SimPro Quick	SimPro Quick
variants  Bearing  data	variants  Bearing  data	of rolling bearing -selection	of rolling bearing selection	Bearing Select	Bearing Select
Loads	Loads	General bearing k nowledge	General bearing k nowledge	Engineer ing Calcul ator	Engineer ing Calcul ator
ture	ture limits	Bearing selection process	Bearing selection process	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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