

# 23144 CC/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,

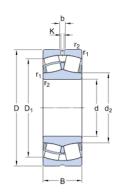
cylindrical bore, tapered bore

### Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

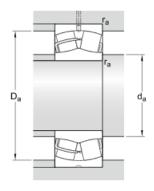


## **DIMENSIONS**

d	220 mm
D	370 mm
В	120 mm
$d_2$	≈ 255 mm
$D_1$	≈ 320 mm
b	16.7 mm
K	9 mm
r <sub>1,2</sub>	min. 4 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 237 mm
$D_a$	max. 353 mm
r <sub>a</sub>	max. 3 mm





## CALCULATION DATA

Basic dynamic load rating	С	1888 kN
Basic static load rating	$C_0$	2750 kN
Fatigue load limit	$P_{u}$	232 kN
Reference speed		1300 r/min
Limiting speed		1700 r/min
Calculation factor	е	0.3
Calculation factor	$Y_1$	2.3
Calculation factor	Y <sub>2</sub>	3.4
Calculation factor	$Y_0$	2.2

## MASS

Macc hearing	E2 l/g
Mass bearing	53 kg





## More information

Product details	Product details	Engineering in	forn <b>Eantgion</b> meering in	formTartoten	Tools
Designs and	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 Tempera	General bearing k nowledge	General bearing k nowledge	Engineer ing Calcul ator	Engineer ing Calcul ator
ture limits	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	Oil Injection Method Program Rolling bearings mounting and dism ounting i
				nstructio nsol and Accessory Selector for sleeves and shafts	nstructio nsool and Accessory Selector for sleeves and shafts





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