

# 22244-2CS5/VT143

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

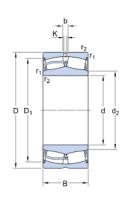
Bearing interfaces

Seat tolerances for standard

conditions,

Tolerances and resultant fit

## Technical specification

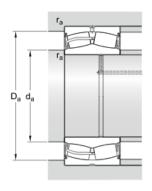


### **DIMENSIONS**

d	220 mm
D	400 mm
В	108 mm
$d_2$	≈ 257 mm
$D_1$	≈ 359 mm
b	16.7 mm
K	9 mm
r <sub>1,2</sub>	min. 4 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 237 mm
d <sub>a</sub>	max. 257 mm
D <sub>a</sub>	max. 383 mm
r <sub>a</sub>	max. 3 mm





## CALCULATION DATA

Basic dynamic load rating	С	1839 kN
Basic static load rating	$C_0$	2360 kN
Fatigue load limit	$P_{u}$	200 kN
Limiting speed		380 r/min
Calculation factor	е	0.25
Calculation factor	$Y_1$	2.7
Calculation factor	Y <sub>2</sub>	4
Calculation factor	$Y_0$	2.5

### MASS

Mass bearing	58.2 kg
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## 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 General bearing k nowledge	of rolling bearing -selection General bearing k nowledge	Bearing Select	Bearing Select
Loads	Loads Tempera			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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