

# 230/670 CAK/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

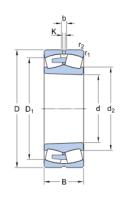
Bearing interfaces

Seat tolerances for standard

conditions,

Tolerances and resultant fit

## Technical specification

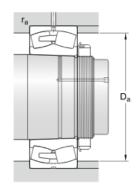


#### **DIMENSIONS**

d	670 mm
D	980 mm
В	230 mm
$d_2$	≈ 772 mm
$D_1$	≈ 892 mm
b	22.3 mm
K	12 mm
r <sub>1,2</sub>	min. 7.5 mm
Tapered bore, taper 1:12	

### ABUTMENT DIMENSIONS

$D_a$	max. 952 mm
r <sub>a</sub>	max. 6 mm





### CALCULATION DATA

Basic dynamic load rating	С	7919 kN
Basic static load rating	$C_0$	14600 kN
Fatigue load limit	$P_{u}$	880 kN
Reference speed		340 r/min
Limiting speed		600 r/min
Calculation factor	е	0.21
Calculation factor	Y <sub>1</sub>	3.2
Calculation factor	Y <sub>2</sub>	4.8
Calculation factor	Y <sub>0</sub>	3.2

### MASS

Mass bearing	570 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 Bearing selection process	of rolling bearing -selection General bearing k nowledge	Bearing Select Engineer ing Calcul ator	Bearing Select
Loads	Loads Tempera				Engineer ing Calcul ator
ture limits	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 on system  Designati on system	on			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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