

# 23196-2CS5/VT143

SKF Explorer

## Spherical roller bearings

Bearing data

Tolerances,

Normal, P6, P5, tapered bore 1:12, tapered bore 1:30,

Radial internal clearance,

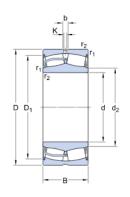
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

## Technical specification

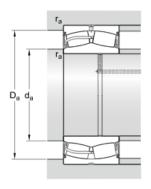


#### **DIMENSIONS**

d	480 mm
D	790 mm
В	248 mm
$d_2$	≈ 560 mm
$D_1$	≈ 723 mm
b	22.3 mm
K	12 mm
r <sub>1,2</sub>	min. 7.5 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 512 mm
$d_a$	max. 560 mm
D <sub>a</sub>	max. 758 mm
r <sub>a</sub>	max. 6 mm





### CALCULATION DATA

Basic dynamic load rating	С	7367 kN
Basic static load rating	$C_0$	12000 kN
Fatigue load limit	$P_{u}$	780 kN
Limiting speed		170 r/min
Calculation factor	е	0.3
Calculation factor	Y <sub>1</sub>	2.3
Calculation factor	Y <sub>2</sub>	3.4
Calculation factor	$Y_0$	2.2

### MASS

Mass bearing	485 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	Bearing Select
Loads	Loads Tempera			Engineer ing Calcul ator	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 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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