

240/1120 CAK30F/W33

SKF Explorer

Spherical roller bearings

Bearing data

Tolerances,

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

Radial internal clearance,

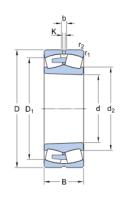
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

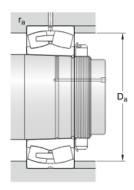


DIMENSIONS

d	1120 mm
D	1580 mm
В	462 mm
d_2	≈ 1268 mm
D_1	≈ 1423 mm
b	22.3 mm
K	12 mm
r _{1,2}	min. 9.5 mm
Tapered bore, taper 1:30	

ABUTMENT DIMENSIONS

D _a	max. 1546 mm
r _a	max. 8 mm





CALCULATION DATA

Basic dynamic load rating	С	22364 kN
Basic static load rating	C_0	50000 kN
Fatigue load limit	P_{u}	2700 kN
Reference speed		130 r/min
Limiting speed		240 r/min
Calculation factor	е	0.26
Calculation factor	Y ₁	2.6
Calculation factor	Y ₂	3.9
Calculation factor	Y_0	2.5

MASS

Mass bearing	2850 kg
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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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