

249/750 CAK30/W33

SKF Explorer

Spherical roller bearings

Bearing data

Tolerances,

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

Radial internal clearance,

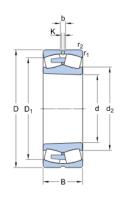
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

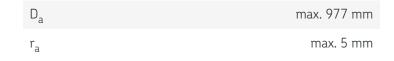
Technical specification

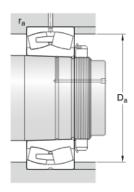


DIMENSIONS

d	750 mm
D	1000 mm
В	250 mm
d_2	≈ 830 mm
D_1	≈ 916 mm
b	22.3 mm
K	12 mm
r _{1,2}	min. 6 mm
Tapered bore, taper 1:30	

ABUTMENT DIMENSIONS







CALCULATION DATA

Basic dynamic load rating	С	7699 kN
Basic static load rating	C_0	18000 kN
Fatigue load limit	P_u	1100 kN
Reference speed		280 r/min
Limiting speed		480 r/min
Calculation factor	е	0.22
Calculation factor	Y_1	3
Calculation factor	Y ₂	4.6
Calculation factor	Y_0	2.8

MASS

Mass bearing	545 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	variants of rolling of Bearing bearing bearing -selection -se	of rolling bearing selection	Bearing Select	Bearing Select
Loads	Loads	General bearing k nowledge Bearing selection process	General bearing k nowledge Bearing selection process	Engineer ing Calcul ator	Engineer ing Calcul ator
ture	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 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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