

24172 ECCK30J/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

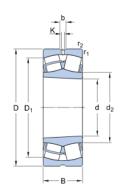
Bearing interfaces

Seat tolerances for standard

conditions,

Tolerances and resultant fit

Technical specification

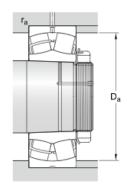


DIMENSIONS

d	360 mm
D	600 mm
В	243 mm
d_2	≈ 404 mm
D_1	≈ 511 mm
b	16.7 mm
K	9 mm
r _{1,2}	min. 5 mm
Tapered bore, taper 1:30	

ABUTMENT DIMENSIONS

D_a	max. 580 mm
r _a	max. 4 mm





CALCULATION DATA

Basic dynamic load rating	С	5737 kN
Basic static load rating	C_0	9300 kN
Fatigue load limit	P_{u}	670 kN
Reference speed		400 r/min
Limiting speed		600 r/min
Calculation factor	е	0.4
Calculation factor	Y_1	1.7
Calculation factor	Y ₂	2.5
Calculation factor	Y_0	1.6

MASS

Mass bearing	270 kg





More information

Product details	Product details	Engineering in	forn Eantgion 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			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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