Bearing interfaces

conditions,

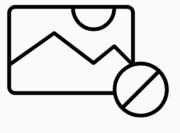
Seat tolerances for standard

Tolerances and resultant fit

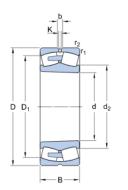
241/530 ECAK30/W33

Spherical roller bearings

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



Technical specification





SKF Explorer

Bearing data

tapered bore 1:30,

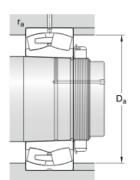
Radial internal clearance, cylindrical bore, tapered bore

Tolerances,

d	530 mm
D	870 mm
В	335 mm
d ₂	≈ 623 mm
D ₁	≈ 748 mm
b	22.3 mm
К	12 mm
r _{1,2}	min. 7.5 mm
Tapered bore, taper 1:30	

ABUTMENT DIMENSIONS

D _a	max. 838 mm
r _a	max. 6 mm





CALCULATION DATA

Basic dynamic load rating	С	10909 kN
Basic static load rating	C ₀	19000 kN
Fatigue load limit	P _u	1220 kN
Reference speed		240 r/min
Limiting speed		360 r/min
Calculation factor	е	0.37
Calculation factor	Y ₁	1.8
Calculation factor	Y ₂	2.7
Calculation factor	Y ₀	1.8

MASS





More information

Product details	Product details	Engineering ir	fornEanloionneering in	formation	Tools
Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Mounting Designati on system	Designs and variants Bearing data Loads Tempera ture limits Permissi ble speed Design c onsiderati ons Mounting Designati on system	Principles of rolling bearing selection General bearing k nowledge Bearing failure and how to prevent it	Principles of rolling bearing selection General bearing k nowledge Bearing failure and how to prevent it	SimPro Quick Bearing Select Engineer ing Calcul ator Housing Select LubeSele ct for SKF greases Drive-up Method Program Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio riEool and Accessory Selector for sleeves and shafts	SimPro Quick Bearing Select Engineer ing Calcul ator Housing Select LubeSele ct for SKF greases Drive-up Method Program Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio nEool and Accessory Selector for sleeves and shafts



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