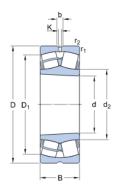


Technical specification





Popular item SKF Explorer Spherical roller bearings

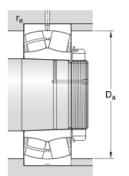
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

d	200 mm
D	310 mm
В	82 mm
d ₂	≈ 228 mm
D ₁	≈ 278 mm
b	13.9 mm
К	7.5 mm
r _{1,2}	min. 2.1 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 299 mm
r _a	max. 2 mm





CALCULATION DATA

Basic dynamic load rating	С	1058 kN
Basic static load rating	C ₀	1530 kN
Fatigue load limit	P _u	137 kN
Reference speed		1800 r/min
Limiting speed		2200 r/min
Calculation factor	е	0.24
Calculation factor	Y ₁	2.8
Calculation factor	Y ₂	4.2
Calculation factor	Y ₀	2.8

MASS

Mass bearing	22	٢g
Mass bearing	221	





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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