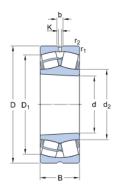


Technical specification





Popular item SKF Explorer Spherical roller bearings

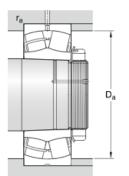
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

d	300 mm
D	500 mm
В	160 mm
d ₂	≈ 345 mm
D ₁	≈ 434 mm
b	16.7 mm
К	9 mm
r _{1,2}	min. 5 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 480 mm
r _a	max. 4 mm





CALCULATION DATA

Basic dynamic load rating	С	3368 kN
Basic static load rating	CO	5100 kN
Fatigue load limit	P _u	380 kN
Reference speed		950 r/min
Limiting speed		1200 r/min
Calculation factor	е	0.3
Calculation factor	Y ₁	2.3
Calculation factor	Y ₂	3.4
Calculation factor	Y ₀	2.2

MASS

Mass bearing	125 kg
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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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