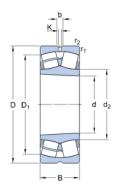


Technical specification





Popular item SKF Explorer Spherical roller bearings

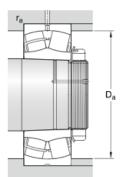
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

d	110 mm
D	180 mm
В	69 mm
d ₂	≈ 123 mm
D ₁	≈ 153 mm
b	6 mm
К	3 mm
r _{1,2}	min. 2 mm
Tapered bore, taper 1:30	

ABUTMENT DIMENSIONS

D _a	max. 169 mm
r _a	max. 2 mm





CALCULATION DATA

Basic dynamic load rating	С	539 kN
Basic static load rating	C ₀	750 kN
Fatigue load limit	P _u	78 kN
Reference speed		2000 r/min
Limiting speed		3000 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

Mass bearing	6.8 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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