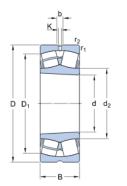


Technical specification





Popular item SKF Explorer Spherical roller bearings

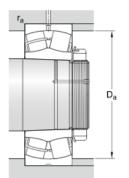
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

d	140 mm
D	210 mm
В	53 mm
d ₂	≈ 158 mm
D ₁	≈ 190 mm
b	8.3 mm
К	4.5 mm
r _{1,2}	min. 2 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS

D _a	max. 201 mm
r _a	max. 2 mm





CALCULATION DATA

Basic dynamic load rating	С	485 kN
Basic static load rating	C ₀	680 kN
Fatigue load limit	P _u	68 kN
Reference speed		2600 r/min
Limiting speed		3400 r/min
Calculation factor	е	0.22
Calculation factor	Y ₁	3
Calculation factor	Y ₂	4.6
Calculation factor	Y ₀	2.8

MASS

Mass bearing	6.1 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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