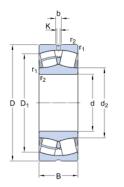


## Technical specification





Popular item SKF Explorer Spherical roller bearings

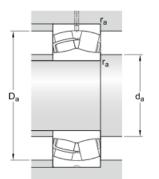
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

### DIMENSIONS

d	75 mm
D	115 mm
В	40 mm
d <sub>2</sub>	≈ 84.2 mm
D <sub>1</sub>	≈ 100 mm
b	5.5 mm
К	3 mm
r <sub>1,2</sub>	min. 1.1 mm



d <sub>a</sub>	min. 81 mm
D <sub>a</sub>	max. 109 mm
r <sub>a</sub>	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	С	181 kN
Basic static load rating	C <sub>O</sub>	232 kN
Fatigue load limit	P <sub>u</sub>	28.5 kN
Reference speed		3800 r/min
Limiting speed		5300 r/min
Calculation factor	е	0.28
Calculation factor	Y <sub>1</sub>	2.4
Calculation factor	Y <sub>2</sub>	3.6
Calculation factor	Y <sub>0</sub>	2.5

## MASS

Mass bearing	1.4 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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