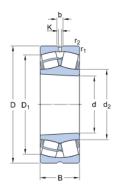


# Technical specification





# Spherical roller bearings

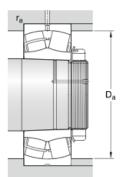
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

#### DIMENSIONS

d	260 mm
D	480 mm
В	130 mm
d <sub>2</sub>	≈ 312 mm
D <sub>1</sub>	≈ 421 mm
b	22.3 mm
К	12 mm
r <sub>1,2</sub>	min. 5 mm
Tapered bore, taper 1:12	

#### ABUTMENT DIMENSIONS

D <sub>a</sub>	max. 460 mm
r <sub>a</sub>	max. 4 mm





### CALCULATION DATA

Basic dynamic load rating	С	2722 kN
Basic static load rating	C <sub>O</sub>	3550 kN
Fatigue load limit	P <sub>u</sub>	285 kN
Reference speed		1200 r/min
Limiting speed		1600 r/min
Calculation factor	е	0.27
Calculation factor	Y <sub>1</sub>	2.5
Calculation factor	Y <sub>2</sub>	3.7
Calculation factor	Y <sub>0</sub>	2.5

## MASS

Mass bearing	100 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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