



23284 CA/W33 Spherical roller bearings

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

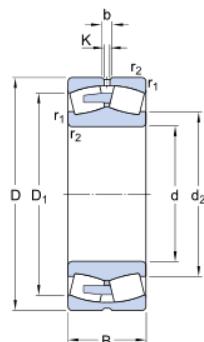
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

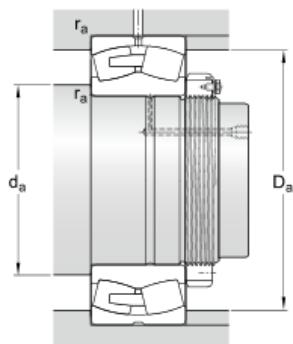
Technical specification

DIMENSIONS



d	420 mm
D	760 mm
B	272 mm
d ₂	≈ 526 mm
D ₁	≈ 649 mm
b	22.3 mm
K	12 mm
r _{1,2}	min. 7.5 mm

ABUTMENT DIMENSIONS



d _a	min. 452 mm
D _a	max. 728 mm
r _a	max. 6 mm

CALCULATION DATA

Basic dynamic load rating	C	7 677 kN
Basic static load rating	C_0	11 600 kN
Fatigue load limit	P_u	765 kN
Reference speed		450 r/min
Limiting speed		630 r/min
Calculation factor	e	0.35
Calculation factor	γ_1	1.9
Calculation factor	γ_2	2.9
Calculation factor	γ_0	1.8

MASS

Mass bearing	535 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	Housing Select
Permissible speed		LubeSelect for SKF greases
Design considerations		Drive-up Method Program
Mounting		Heater selection tool
Designation system		Oil Injection Method Program
		Rolling bearings mounting and dismounting instructions
		Tool and Accessory Selector for sleeves and shafts

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