22326 CCK/W33

Spherical roller bearing with tapered bore and relubrication features

Spherical roller bearings can accommodate heavy loads in both directions. They are self-aligning and accommodate misalignment and shaft deflections, with virtually no increase in friction or temperature. The design includes features to facilitate relubrication. The bearings can be used in a modular system, including housings, sleeves and nuts.

- Accommodate misalignment
- High load carrying capacity
- Relubrication features
- Low friction and long service life
- Increased wear resistance

Overview

Dimensions

Bore diameter	130 mm
Outside diameter	280 mm
Width	93 mm

Performance

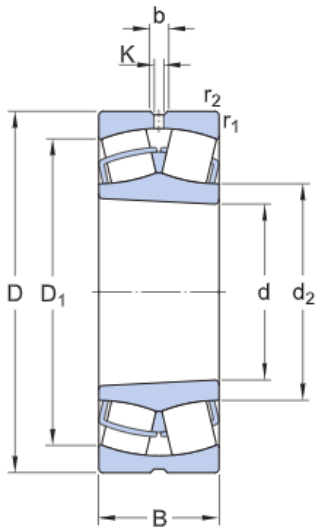
Basic dynamic load rating	1 176 kN
Basic static load rating	1 320 kN
Reference speed	1 800 r/min
Limiting speed	2 400 r/min
SKF performance class	SKF Explorer

Properties

Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Tapered 1:12
Cage	Sheet metal
Radial internal clearance	CN
Tolerance class for dimensions	Normal
Tolerance class for run-out	P5
Sealing	Without
Lubricant	None
Relubrication feature	With
Candidate for remanufacturing	Yes

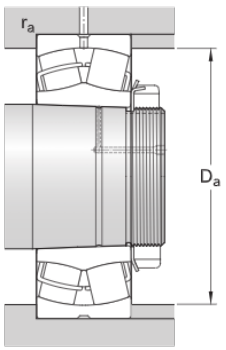
Technical Specification

SKF performance class	SKF Explorer
Bore type	Tapered 1:12



Dimensions

d	130 mm	Bore diameter
D	280 mm	Outside diameter
B	93 mm	Width
d_2	≈ 164 mm	Shoulder diameter of inner ring
D_1	≈ 233 mm	Shoulder/recess diameter of outer ring
b	16.7 mm	Width of lubrication groove
K	9 mm	Diameter of lubrication hole
$r_{1,2}$	min. 4 mm	Chamfer dimension



Abutment dimensions

D_a	max. 263 mm	Diameter of housing abutment
r_a	max. 3 mm	Radius of fillet

Calculation data

Basic dynamic load rating	C	1 176 kN
Basic static load rating	C_0	1 320 kN

Fatigue load limit	P_u	114 kN
Reference speed		1 800 r/min
Limiting speed		2 400 r/min
Limiting value	e	0.35
Calculation factor	Y_1	1.9
Calculation factor	Y_2	2.9
Calculation factor	Y_0	1.8

Mass

Mass	27.5 kg

Tolerance class

Dimensional tolerances	Normal
Radial run-out	P5

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