



FAG

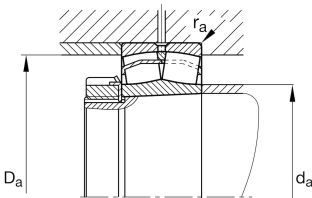
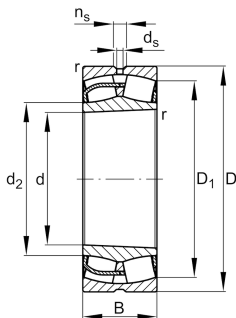
24036-BE-XL-K30-C3

Spherical Roller Bearing

Spherical roller bearings 240...-BE-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	K30	Tapered, taper 1:30
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	100 mm	Width
C _r	1.130.000 N	Basic dynamic load rating, radial
C _{0r}	1.770.000 N	Basic static load rating, radial
C _{ur}	185.000 N	Fatigue load limit, radial
n _G	2.200 1/min	Limiting speed
n _{gr}	1.420 1/min	Reference speed
≈m	22,033 kg	Masa

Mounting dimensions

d _{a min}	190,2 mm	Minimum diameter shaft shoulder
D _{a max}	269,8 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius



Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	244,6 mm	Bore diameter outer ring
d ₂	201,7 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,32	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,1	Dynamic axial load factor
Y ₂	3,13	Dynamic axial load factor
Y ₀	2,06	Static axial load factor

Additional information

AH24036	Withdrawal sleeve
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Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna