

FAG

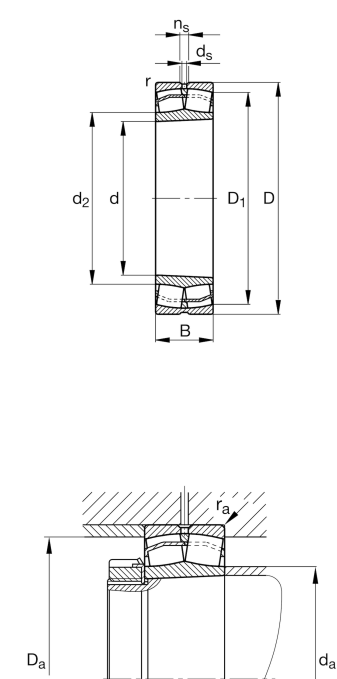
22206-E1-XL-K-C3

Spherical Roller Bearing

Spherical roller bearings 222...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	62 mm	Outside diameter
B	20 mm	Width
C _r	64.000 N	Basic dynamic load rating, radial
C _{0r}	57.000 N	Basic static load rating, radial
C _{ur}	7.000 N	Fatigue load limit, radial
n _G	12.500 1/min	Limiting speed
n _{gr}	7.800 1/min	Reference speed
≈m	0,265 kg	Masa



Mounting dimensions

d _{a min}	35,6 mm	Minimum diameter shaft shoulder
d _{a max}	37 mm	Maximum diameter of shaft shoulder
D _{a max}	54,6 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum recess radius
d _{b min}	33 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	53,7 mm	Bore diameter outer ring
d ₂	38,1 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	4,8 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,26	Dynamic axial load factor
Y ₂	3,37	Dynamic axial load factor
Y ₀	2,21	Static axial load factor

Additional information

H306	Adapter sleeve
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna