

FAG

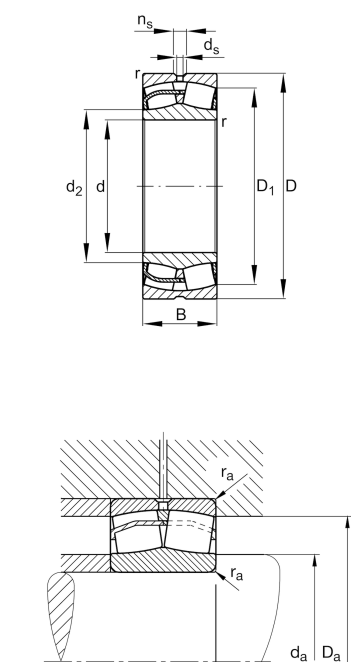
24028-BE-XL-C3 

Spherical Roller Bearing

Spherical roller bearing 240...-BE-XL,
symmetric with rib washer

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	210 mm	Outside diameter
B	69 mm	Width
C _r	590.000 N	Basic dynamic load rating, radial
C _{0r}	930.000 N	Basic static load rating, radial
C _{ur}	111.000 N	Fatigue load limit, radial
n _G	2.950 1/min	Limiting speed
n _{gr}	1.950 1/min	Reference speed
≈m	8,273 kg	Masa



Mounting dimensions

d _{a min}	148,8 mm	Minimum diameter shaft shoulder
D _{a max}	201,2 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	186,4 mm	Bore diameter outer ring
d ₂	157,1 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	6,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,37	Dynamic axial load factor
Y ₂	3,53	Dynamic axial load factor
Y ₀	2,32	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna