

FAG

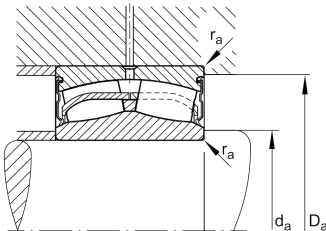
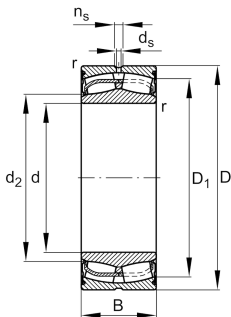
24030-BE-XL-2VSR

Spherical Roller Bearing

Sealed spherical roller bearings 240...-BE-2VSR, lip seals on both sides, for continuous casting machines

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	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	
Sealing	2VSR	Seals on both sides, high temperature

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	225 mm	Outside diameter
B	75 mm	Width
C _r	680.000 N	Basic dynamic load rating, radial
C _{0r}	1.090.000 N	Basic static load rating, radial
C _{ur}	125.000 N	Fatigue load limit, radial
n _G	690 1/min	Limiting speed
≈m	10,345 kg	Masa



Mounting dimensions

d _{a min}	160,2 mm	Minimum diameter shaft shoulder
D _{a max}	214,8 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	213,2 mm	Bore diameter outer ring
d ₂	164 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}	180 °C	Operating temperature max.

Calculation factors

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,32	Dynamic axial load factor
Y ₂	3,45	Dynamic axial load factor
Y ₀	2,26	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne



Nieosiowość statyczna



Nieosiowość dynamiczna