

FAG

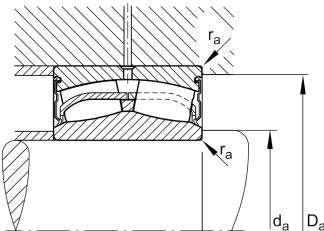
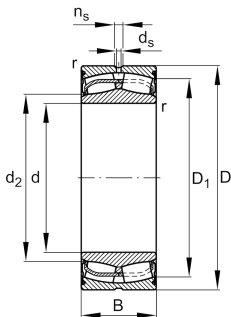
24024-BE-XL-2VSR

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	
Type of Seal	2VSR	Seals on both sides, high temperature

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
C _r	450.000 N	Basic dynamic load rating, radial
C _{0r}	690.000 N	Basic static load rating, radial
C _{ur}	86.000 N	Fatigue load limit, radial
n _G	860 1/min	Limiting speed
≈m	5,567 kg	Masa



Mounting dimensions

$d_{a \min}$	128,8 mm	Minimum diameter shaft shoulder
$D_{a \max}$	171,2 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	170,5 mm	Bore diameter outer ring
d_2	131 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 F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,33	Dynamic axial load factor
Y_2	3,47	Dynamic axial load factor
Y_0	2,28	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie dożywotnie, bezobsługowe



Smarowanie smarem



Uszczelnienie dwustronne



Nieosiowość statyczna



Nieosiowość dynamiczna