

FAG

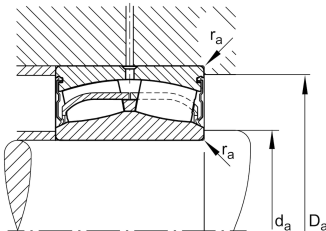
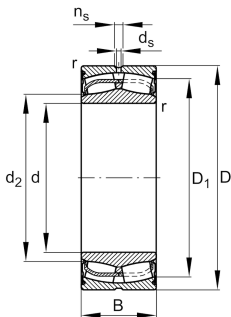
24036-BE-XL-2VSR-C4

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	
Sealing	2VSR	Seals on both sides, high temperature

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	550 1/min	Limiting speed
≈m	22,8 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	259,6 mm	Bore diameter outer ring
d_2	195,6 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.
$T_{\max}$	180 °C	Operating temperature max.

Calculation factors

e	0,32	Limiting value of F_a/F_r 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



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie dożywotnie, bezobsługowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna