



FAG

24034-BE-XL-2VSR

Spherical Roller Bearing

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

X-life

Technical information



Your current product variant

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 facility	Standard	
Sealing	2VSR	Seals on both sides, high temperature

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	90 mm	Width
C_r	940.000 N	Basic dynamic load rating, radial
C_{0r}	1.480.000 N	Basic static load rating, radial
C_{ur}	162.000 N	Fatigue load limit, radial
n_G	600 1/min	Limiting speed
$\approx m$	16,9 kg	Weight



Mounting dimensions

$d_{a \min}$	180,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	249,8 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	243,3 mm	Bore diameter outer ring
d_2	184,8 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	0,31	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,2	Dynamic axial load factor
Y_2	3,27	Dynamic axial load factor
Y_0	2,15	Static axial load factor



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Lifetime lubrication, freedom from maintenance
-  Grease Lubrication
-  Sealed on both sides
-  Static angular error and misalignment
-  Dynamic angular error and misalignment