



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

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	Standard	
Type of Seal	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
$\approx m$	10,345 kg	Weight



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 F_a/F_r 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



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