

**FAG****24038-BE-XL-C4**

Spherical Roller Bearing

Spherical roller bearing 240...-BE-XL,
symmetric with rib washer**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	Standard	

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	290 mm	Outside diameter
B	100 mm	Width
C _r	1.160.000 N	Basic dynamic load rating, radial
C _{0r}	1.860.000 N	Basic static load rating, radial
C _{ur}	197.000 N	Fatigue load limit, radial
n _G	2.140 1/min	Limiting speed
n _{gr}	1.330 1/min	Reference speed
≈m	23,441 kg	Masa

Mounting dimensions

d _{a min}	200,2 mm	Minimum diameter shaft shoulder
D _{a max}	279,8 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	255 mm	Bore diameter outer ring
d_2	211,9 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.
$T_{\max}$	200 °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

Właściwości

	Obciążenie promieniowe
	Obciążenie osiowe jednokierunkowe
	Obciążenie osiowe dwukierunkowe
	Smarowanie smarem
	Smarowanie olejem
	Bez uszczelnienia
	Nieosiowość statyczna
	Nieosiowość dynamiczna