



FAG

24134-BE-XL-C4

Spherical Roller Bearing

Spherical roller bearing 241...-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 feature	Standard	

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	280 mm	Outside diameter
B	109 mm	Width
C _r	1.260.000 N	Basic dynamic load rating, radial
C _{0r}	1.900.000 N	Basic static load rating, radial
C _{ur}	184.000 N	Fatigue load limit, radial
n _G	2.110 1/min	Limiting speed
n _{gr}	1.060 1/min	Reference speed

≈m 26,191 kg Masa

Mounting dimensions

d _{a min}	182 mm	Minimum diameter shaft shoulder
D _{a max}	268 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	240 mm	Bore diameter outer ring
d_2	194,1 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	0,36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,9	Dynamic axial load factor
Y_2	2,83	Dynamic axial load factor
Y_0	1,86	Static axial load factor

Właściwości

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