



FAG

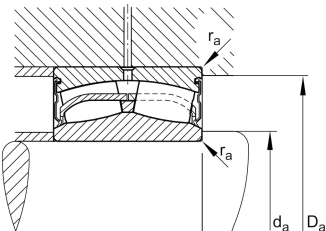
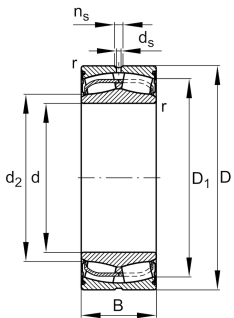
24024-BE-XL-2VSR-H40-C3

Spherical Roller Bearing

Spherical roller bearing 240...-BE-XL-2VSR-H40, 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	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	H40	Without lubricating groove and holes
Type of Seal	2VSR	Seals on both sides, high temperature

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	180 mm	Outside diameter
B	60 mm	Width
C _r	450.000 N	Basic dynamic load rating, radial
C _{0r}	690.000 N	Basic static load rating, radial
C _{ur}	86.000 N	Fatigue load limit, radial
n _G	860 1/min	Limiting speed
≈m	5,3 kg	Masa

Mounting dimensions

d _{a min}	128,8 mm	Minimum diameter shaft shoulder
D _{a max}	171,2 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius



Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	170,5 mm	Bore diameter outer ring
d_2	131 mm	Raceway diameter of the inner ring

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	2,33	Dynamic axial load factor
Y_2	3,47	Dynamic axial load factor
Y_0	2,28	Static axial load factor

Właściwości

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