



FAG

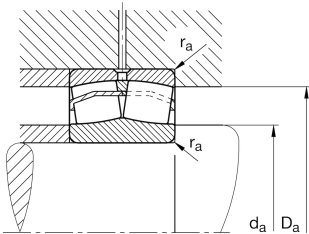
24030-BE-XL-T52BW

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
Relubrication	Standard	

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	2.750 1/min	Limiting speed
n _{gr}	1.790 1/min	Reference speed
m	10,342 kg	Masa

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	199,4 mm	Bore diameter outer ring
d_2	168,1 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}	200 °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

Właściwości

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