

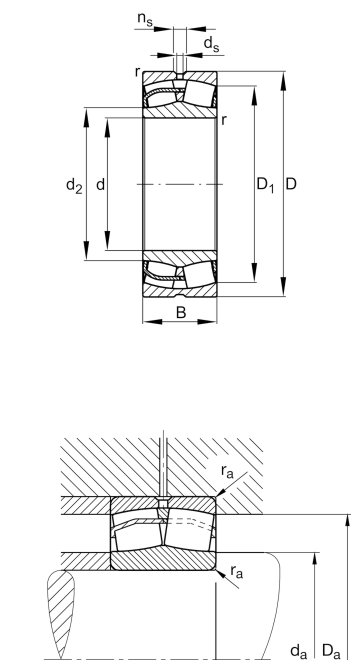
FAG

24030-BE-XL

Spherical Roller Bearing

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

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	CN (Group N)	Normal internal clearance
Relubrication feature	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	10,334 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