



FAG

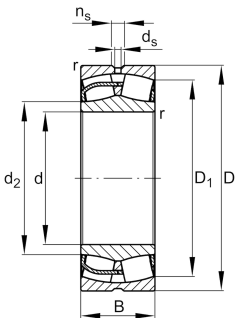
24148-BE-XL-C4

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	240 mm	Bore diameter
D	400 mm	Outside diameter
B	160 mm	Width
C _r	2.600.000 N	Basic dynamic load rating, radial
C _{0r}	3.900.000 N	Basic static load rating, radial
C _{ur}	340.000 N	Fatigue load limit, radial
n _G	1.470 1/min	Limiting speed
n _{gr}	650 1/min	Reference speed
≈m	78,55 kg	Masa

Mounting dimensions

d _{a min}	257 mm	Minimum diameter shaft shoulder
D _{a max}	383 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius



Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	339 mm	Bore diameter outer ring
d_2	267,3 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

e	0,39	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,71	Dynamic axial load factor
Y_2	2,54	Dynamic axial load factor
Y_0	1,67	Static axial load factor

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna