



FAG

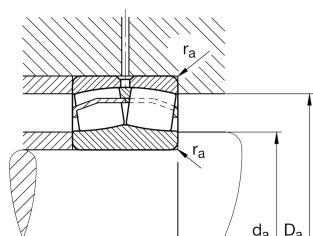
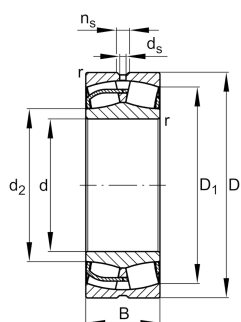
24148-BE-XL-W209B-C4

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	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	78,635 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 Fa/Fr 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