



FAG

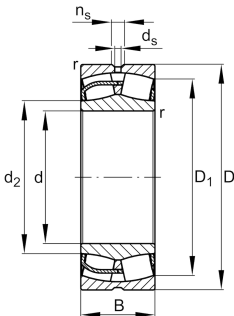
24036-BE-XL-C5

Spherical Roller Bearing

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

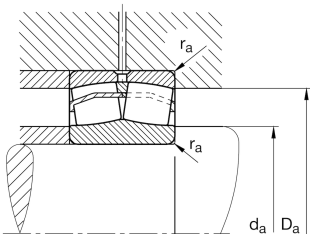
X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C5 (Group 5)	Internal clearance larger than C4
Relubrication feature	Standard	



Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	100 mm	Width
C _r	1.130.000 N	Basic dynamic load rating, radial
C _{0r}	1.770.000 N	Basic static load rating, radial
C _{ur}	185.000 N	Fatigue load limit, radial
n _G	2.200 1/min	Limiting speed
n _{gr}	1.420 1/min	Reference speed
≈m	22,54 kg	Masa



Mounting dimensions

$d_{a\ min}$	190,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	269,8 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	244,6 mm	Bore diameter outer ring
d_2	201,7 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,1	Dynamic axial load factor
Y_2	3,13	Dynamic axial load factor
Y_0	2,06	Static axial load factor



Właściwości

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