



FAG

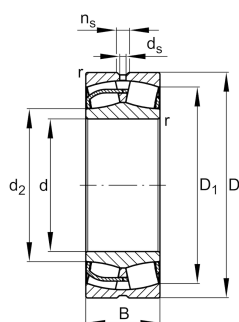
24180-BE-XL-H40

Spherical Roller Bearing

Spherical roller bearing 241...-BE-XL-H40,
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	CN (Group N)	Normal internal clearance
Relubrication feature	H40	Without lubricating groove and holes

Main Dimensions & Performance Data

d	400 mm	Bore diameter
D	650 mm	Outside diameter
B	250 mm	Width
C_r	6.200.000 N	Basic dynamic load rating, radial
C_{0r}	10.600.000 N	Basic static load rating, radial
C_{ur}	790.000 N	Fatigue load limit, radial
n_G	800 1/min	Limiting speed
n_{gr}	300 1/min	Reference speed
$\approx m$	320 kg	Masa

Mounting dimensions

$d_{a \min}$	426 mm	Minimum diameter shaft shoulder
$D_{a \max}$	624 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius



Dimensions

r _{min}	6 mm	Minimum chamfer dimension
D ₁	556,5 mm	Bore diameter outer ring
d ₂	448,8 mm	Raceway diameter of the inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,37	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,82	Dynamic axial load factor
Y ₂	2,7	Dynamic axial load factor
Y ₀	1,78	Static axial load factor

Właściwości

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