

FAG

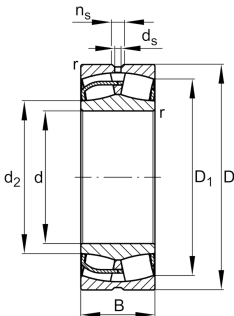
24172-BE-XL-C3

Spherical Roller Bearing

Spherical roller bearing 241...-BE-XL,
symmetric with rib washer

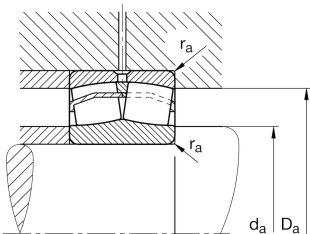
X-life

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	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	



Main Dimensions & Performance Data

d	360 mm	Bore diameter
D	600 mm	Outside diameter
B	243 mm	Width
C _r	5.600.000 N	Basic dynamic load rating, radial
C _{0r}	9.100.000 N	Basic static load rating, radial
C _{ur}	680.000 N	Fatigue load limit, radial
n _G	890 1/min	Limiting speed
n _{gr}	350 1/min	Reference speed
≈m	267,5 kg	Masa



Mounting dimensions

$d_{a \min}$	380 mm	Minimum diameter shaft shoulder
$D_{a \max}$	580 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
D_1	505,9 mm	Bore diameter outer ring
d_2	399,4 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,4	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,69	Dynamic axial load factor
Y_2	2,52	Dynamic axial load factor
Y_0	1,65	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