

FAG

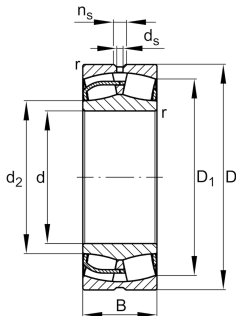
24060-BE-XL

Spherical Roller Bearing

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

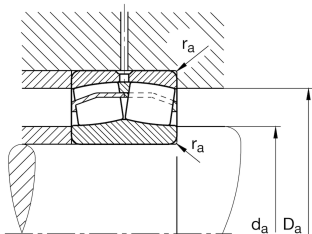
X-life

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	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	



Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	460 mm	Outside diameter
B	160 mm	Width
C _r	2.850.000 N	Basic dynamic load rating, radial
C _{0r}	4.900.000 N	Basic static load rating, radial
C _{ur}	435.000 N	Fatigue load limit, radial
n _G	1.250 1/min	Limiting speed
n _{gr}	720 1/min	Reference speed
≈m	95,705 kg	Masa



Mounting dimensions

$d_{a\ min}$	314,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	445,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	403 mm	Bore diameter outer ring
d_2	334,8 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 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	2,12	Dynamic axial load factor
Y_2	3,15	Dynamic axial load factor
Y_0	2,07	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