





FAG

22340-BE-XL-K-C4 

Spherical Roller Bearing

Spherical roller bearings 223...-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	JPB	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	420 mm	Outside diameter
B	138 mm	Width
C _r	2.440.000 N	Basic dynamic load rating, radial
C _{0r}	2.950.000 N	Basic static load rating, radial
C _{ur}	232.000 N	Fatigue load limit, radial
n _G	1.830 1/min	Limiting speed
n _{gr}	1.080 1/min	Reference speed
≈m	87,5 kg	Masa



Mounting dimensions

$d_{a \min}$	220 mm	Minimum diameter shaft shoulder
$d_{a \max}$	240 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	400 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
$d_{b \min}$	216 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	10 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
D_1	355,1 mm	Bore diameter outer ring
d_2	248,8 mm	Raceway diameter of the inner ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,98	Dynamic axial load factor
Y_2	2,94	Dynamic axial load factor
Y_0	1,93	Static axial load factor

Additional information

H2340	Adapter sleeve
AH2340	Withdrawal sleeve



Właściwości

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