



FAG

22340-BE-XL-K-JPA-T41A [🔗](#)

Spherical Roller Bearing

Spherical roller bearings 223...-E1-K-T41A,
For oscillating load with restricted diameter
tolerances, with tapered bore

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	
Spherical roller bearing for vibrating screens	T41A	For vibrating screens

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	89,55 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