



FAG

22234-E1A-XL-K-M-C3

Spherical Roller Bearing

Spherical roller bearing 222...-E1A-XL-K-M,
symmetric 2 outer ribs

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	86 mm	Width
C _r	1.320.000 N	Basic dynamic load rating, radial
C _{0r}	1.570.000 N	Basic static load rating, radial
C _{ur}	144.000 N	Fatigue load limit, radial
n _G	2.550 1/min	Limiting speed
n _{gr}	1.780 1/min	Reference speed
≈m	27 kg	Masa



Mounting dimensions

d _{a min}	187 mm	Minimum diameter shaft shoulder
D _{a max}	293 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius
d _{a max}	199 mm	Maximum diameter of shaft shoulder
d _{b min}	180 mm	Minimum cavity diameter of the sleeve
B _{a min}	10 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	275,4 mm	Bore diameter outer ring
d ₂	199,8 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	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,6	Dynamic axial load factor
Y ₂	3,87	Dynamic axial load factor
Y ₀	2,54	Static axial load factor

Additional information

H3134	Adapter sleeve
AH3134A	Withdrawal sleeve



Właściwości

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