



FAG

22224-E1A-XL-M-C3

Spherical Roller Bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	58 mm	Width
C _r	640.000 N	Basic dynamic load rating, radial
C _{0r}	740.000 N	Basic static load rating, radial
C _{ur}	70.000 N	Fatigue load limit, radial
n _G	3.650 1/min	Limiting speed
n _{gr}	2.700 1/min	Reference speed
≈m	8,85 kg	Masa

Mounting dimensions

d _{a min}	132 mm	Minimum diameter shaft shoulder
D _{a max}	203 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius



Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	192 mm	Bore diameter outer ring
d ₂	141,9 mm	Raceway diameter of the inner ring
d _s	6,3 mm	Diameter lubrication hole
n _s	12,2 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,71	Dynamic axial load factor
Y ₂	4,04	Dynamic axial load factor
Y ₀	2,65	Static axial load factor

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Nieosiowość statyczna