



FAG

22230-E1A-XL-M

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	CN (Group N)	Normal internal clearance
Relubrication	Standard	

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	270 mm	Outside diameter
B	73 mm	Width
C _r	1.010.000 N	Basic dynamic load rating, radial
C _{0r}	1.210.000 N	Basic static load rating, radial
C _{ur}	114.000 N	Fatigue load limit, radial
n _G	2.900 1/min	Limiting speed
n _{gr}	2.050 1/min	Reference speed
≈m	17,676 kg	Masa

Mounting dimensions

d _{a min}	164 mm	Minimum diameter shaft shoulder
D _{a max}	256 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius



Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	240,8 mm	Bore diameter outer ring
d ₂	177,9 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	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,69	Dynamic axial load factor
Y ₂	4	Dynamic axial load factor
Y ₀	2,63	Static axial load factor

Właściwości

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