



FAG

22314-E1-XL-K

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	E1	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	JPA	Sheet metal cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication	Standard	

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	51 mm	Width
C _r	390.000 N	Basic dynamic load rating, radial
C _{0r}	390.000 N	Basic static load rating, radial
C _{ur}	37.500 N	Fatigue load limit, radial
n _G	4.800 1/min	Limiting speed
n _{gr}	3.700 1/min	Reference speed
≈m	4,196 kg	Masa



Mounting dimensions

d _{a min}	82 mm	Minimum diameter shaft shoulder
d _{a max}	86 mm	Maximum diameter of shaft shoulder
D _{a max}	138 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
d _{b min}	77 mm	Minimum cavity diameter of the sleeve
B _{a min}	5 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	128 mm	Bore diameter outer ring
d ₂	86,7 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 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 Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2	Dynamic axial load factor
Y ₂	2,98	Dynamic axial load factor
Y ₀	1,96	Static axial load factor

Additional information

H2314	Adapter sleeve
AHX2314G	Withdrawal sleeve



Właściwości

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