



FAG

22218-E1-XL-K-C4

Spherical Roller Bearing

Spherical roller bearings 222...-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	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	160 mm	Outside diameter
B	40 mm	Width
C _r	345.000 N	Basic dynamic load rating, radial
C _{0r}	375.000 N	Basic static load rating, radial
C _{ur}	43.500 N	Fatigue load limit, radial
n _G	5.200 1/min	Limiting speed
n _{gr}	3.400 1/min	Reference speed
m	3,26 kg	Masa



Mounting dimensions

d _{a min}	101 mm	Minimum diameter shaft shoulder
d _{a max}	106 mm	Maximum diameter of shaft shoulder
D _{a max}	149 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
d _{b min}	96 mm	Minimum cavity diameter of the sleeve
B _{a min}	10 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	143,9 mm	Bore diameter outer ring
d ₂	106,1 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	6,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,9	Dynamic axial load factor
Y ₂	4,31	Dynamic axial load factor
Y ₀	2,83	Static axial load factor

Additional information

H318	Adapter sleeve
AHX318	Withdrawal sleeve



Właściwości

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