



FAG

23220-E1A-XL-K-M-C2

Spherical Roller Bearing

Spherical roller bearings 232...-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

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	C2 (Group 2)	Internal clearance smaller than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60,3 mm	Width
C _r	560.000 N	Basic dynamic load rating, radial
C _{0r}	660.000 N	Basic static load rating, radial
C _{ur}	61.000 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
n _{gr}	2.410 1/min	Reference speed
≈m	6,39 kg	Masa



Mounting dimensions

d _{a min}	112 mm	Minimum diameter shaft shoulder
D _{a max}	168 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
d _{a max}	120 mm	Maximum diameter of shaft shoulder
d _{b min}	110 mm	Minimum cavity diameter of the sleeve
B _{a min}	19 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	156,7 mm	Bore diameter outer 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	0,31	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,15	Dynamic axial load factor
Y ₂	3,2	Dynamic axial load factor
Y ₀	2,1	Static axial load factor

Additional information

H2320	Adapter sleeve
AHX3220	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna