



FAG

22311-E1A-XL-M-C3

Spherical Roller Bearing

Spherical roller bearing 223...-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 feature	Standard	

Main Dimensions & Performance Data

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
C _r	265.000 N	Basic dynamic load rating, radial
C _{0r}	260.000 N	Basic static load rating, radial
C _{ur}	24.600 N	Fatigue load limit, radial
n _G	5.800 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed
≈m	2,332 kg	Masa

Mounting dimensions

d _{a min}	66 mm	Minimum diameter shaft shoulder
D _{a max}	109 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius



Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	101,4 mm	Bore diameter outer ring
d ₂	68,9 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	0,36	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,89	Dynamic axial load factor
Y ₂	2,81	Dynamic axial load factor
Y ₀	1,84	Static axial load factor