



FAG

23034-E1A-XL-K-M-H40-C3

Spherical Roller Bearing

Spherical roller bearing 230...-E1A-XL-K-M-H40, symmetric 2 outer ribs

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	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	H40	Without lubricating groove and holes

Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	67 mm	Width
C _r	880.000 N	Basic dynamic load rating, radial
C _{0r}	1.230.000 N	Basic static load rating, radial
C _{ur}	151.000 N	Fatigue load limit, radial
n _G	2.800 1/min	Limiting speed
n _{gr}	1.890 1/min	Reference speed
≈m	12,353 kg	Masa



Mounting dimensions

d a min	180,2 mm	Minimum diameter shaft shoulder
D a max	249,8 mm	Maximum diameter of housing shoulder
r a max	2,1 mm	Maximum recess radius
d a max	189 mm	Maximum diameter of shaft shoulder
d b min	179 mm	Minimum cavity diameter of the sleeve
B a min	8 mm	Minimum cavity width of the sleeve

Dimensions

r min	2,1 mm	Minimum chamfer dimension
D 1	237,2 mm	Bore diameter outer ring
d 2	189,8 mm	Raceway diameter of the inner ring

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	2,98	Dynamic axial load factor
Y 2	4,44	Dynamic axial load factor
Y 0	2,92	Static axial load factor

Additional information

H3034	Adapter sleeve
AH3034	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna