





FAG

23040-E1-XL-K-TVPB-C3 

Spherical Roller Bearing

Spherical roller bearings 230...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	TVPB	Plastic cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	310 mm	Outside diameter
B	82 mm	Width
C _r	1.270.000 N	Basic dynamic load rating, radial
C _{0r}	1.800.000 N	Basic static load rating, radial
C _{ur}	206.000 N	Fatigue load limit, radial
n _G	2.330 1/min	Limiting speed
n _{gr}	1.550 1/min	Reference speed
≈m	20,592 kg	Masa



Mounting dimensions

d a min	210,2 mm	Minimum diameter shaft shoulder
D a max	299,8 mm	Maximum diameter of housing shoulder
r a max	2,1 mm	Maximum recess radius
B a min	10 mm	Minimum cavity width of the sleeve
d a max	223 mm	Maximum diameter of shaft shoulder
d b min	210 mm	Minimum cavity diameter of the sleeve

Dimensions

r min	2,1 mm	Minimum chamfer dimension
D 1	281,6 mm	Bore diameter outer ring
d 2	223,4 mm	Raceway diameter of the inner ring
d s	8 mm	Diameter lubrication hole
n s	15 mm	Width of lubricating groove

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °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

H3040	Adapter sleeve
AH3040G	Withdrawal sleeve



Właściwości

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