



FAG

23036-E1-XL-K-TVPB

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	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	280 mm	Outside diameter
B	74 mm	Width
C _r	1.040.000 N	Basic dynamic load rating, radial
C _{0r}	1.450.000 N	Basic static load rating, radial
C _{ur}	173.000 N	Fatigue load limit, radial
n _G	2.600 1/min	Limiting speed
n _{gr}	1.760 1/min	Reference speed
≈m	15,176 kg	Masa



Mounting dimensions

d _{a min}	190,2 mm	Minimum diameter shaft shoulder
D _{a max}	269,8 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius
B _{a min}	8 mm	Minimum cavity width of the sleeve
d _{a max}	201 mm	Maximum diameter of shaft shoulder
d _{b min}	189 mm	Minimum cavity diameter of the sleeve

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	254,3 mm	Bore diameter outer ring
d ₂	201,8 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

H3036	Adapter sleeve
AH3036	Withdrawal sleeve



Właściwości

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