



FAG

21308-E1-XL-K-TVPB

Spherical Roller Bearing

Spherical roller bearings 213...-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	Standard	

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C _r	109.000 N	Basic dynamic load rating, radial
C _{0r}	107.000 N	Basic static load rating, radial
C _{ur}	14.600 N	Fatigue load limit, radial
n _G	9.800 1/min	Limiting speed
n _{gr}	5.200 1/min	Reference speed
m	0,671 kg	Masa



Mounting dimensions

d _{a min}	49 mm	Minimum diameter shaft shoulder
D _{a max}	81 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum recess radius
B _{a min}	5 mm	Minimum cavity width of the sleeve
d _{a max}	59 mm	Maximum diameter of shaft shoulder
d _{b min}	44 mm	Minimum cavity diameter of the sleeve

Dimensions

r _{min}	1,5 mm	Minimum chamfer dimension
D ₁	80,8 mm	Bore diameter outer ring
d ₂	59,9 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	4,8 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	2,95	Dynamic axial load factor
Y ₂	4,4	Dynamic axial load factor
Y ₀	2,89	Static axial load factor

Additional information

H308	Adapter sleeve
AH308	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna