



FAG

23122-E1-XL-K-TVPB-C3 [🔗](#)

Spherical Roller Bearing

Spherical roller bearings 231...-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	Standard	

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	180 mm	Outside diameter
B	56 mm	Width
C _r	530.000 N	Basic dynamic load rating, radial
C _{0r}	680.000 N	Basic static load rating, radial
C _{ur}	62.000 N	Fatigue load limit, radial
n _G	3.700 1/min	Limiting speed
n _{gr}	2.550 1/min	Reference speed
≈m	5,102 kg	Masa



Mounting dimensions

d _{a min}	121 mm	Minimum diameter shaft shoulder
D _{a max}	169 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius
B _{a min}	7 mm	Minimum cavity width of the sleeve
d _{a max}	124 mm	Maximum diameter of shaft shoulder
d _{b min}	117 mm	Minimum cavity diameter of the sleeve

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	160 mm	Bore diameter outer ring
d ₂	124,6 mm	Raceway diameter of the inner ring
d _s	4,8 mm	Diameter lubrication hole
n _s	9,5 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,39	Dynamic axial load factor
Y ₂	3,56	Dynamic axial load factor
Y ₀	2,34	Static axial load factor

Additional information

H3122	Adapter sleeve
AHX3122	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna