

FAG

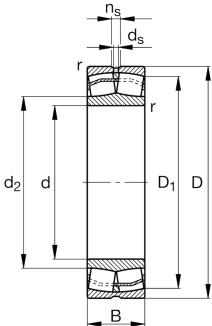
23122-E1-XL-TVPB-C3

Spherical Roller Bearing

Spherical roller bearings 231...-E1, main dimensions to DIN 635-2

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	Z	Cylindrical
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	5,207 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

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



Właściwości

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