

FAG

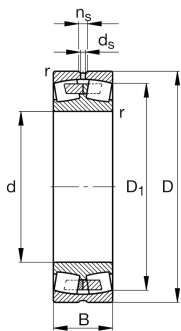
23122-E1A-XL-M-C3

Spherical Roller Bearing

Spherical roller bearings 231...-E1A, main dimensions to DIN 635-2

X-life

Informacje techniczne



Twoja aktualna wersja produktu

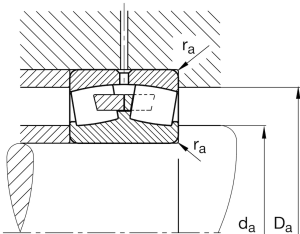
Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

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

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_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}	200 °C	Operating temperature max.

Calculation factors

e	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,41	Dynamic axial load factor
Y_2	3,59	Dynamic axial load factor
Y_0	2,35	Static axial load factor

Właściwości

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