

FAG

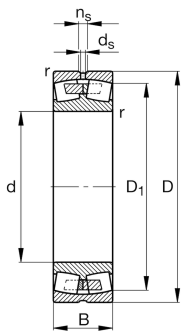
23130-E1A-XL-M-C4

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	250 mm	Outside diameter
B	80 mm	Width
C _r	1.000.000 N	Basic dynamic load rating, radial
C _{0r}	1.330.000 N	Basic static load rating, radial
C _{ur}	145.000 N	Fatigue load limit, radial
n _G	2.650 1/min	Limiting speed
n _{gr}	1.720 1/min	Reference speed

Mounting dimensions

d _{a min}	162 mm	Minimum diameter shaft shoulder
D _{a max}	238 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum recess radius



Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	220,8 mm	Bore diameter outer ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,29	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,32	Dynamic axial load factor
Y_2	3,45	Dynamic axial load factor
Y_0	2,26	Static axial load factor

Właściwości

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