



FAG

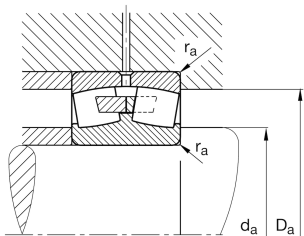
23028-E1A-XL-M

Spherical Roller Bearing

Spherical roller bearings 230...-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	CN (Group N)	Normal internal clearance
Relubrication	Standard	

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	210 mm	Outside diameter
B	53 mm	Width
C _r	570.000 N	Basic dynamic load rating, radial
C _{0r}	800.000 N	Basic static load rating, radial
C _{ur}	77.000 N	Fatigue load limit, radial
n _G	3.450 1/min	Limiting speed
n _{gr}	2.390 1/min	Reference speed
≈m	6,281 kg	Masa

Mounting dimensions

d _{a min}	148,8 mm	Minimum diameter shaft shoulder
D _{a max}	201,2 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius



Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	192,3 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	0,22	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,07	Dynamic axial load factor
Y_2	4,57	Dynamic axial load factor
Y_0	3	Static axial load factor

Właściwości

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