

FAG

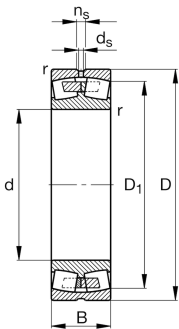
23138-E1A-XL-M-C3

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	190 mm	Bore diameter
D	320 mm	Outside diameter
B	104 mm	Width
C _r	1.610.000 N	Basic dynamic load rating, radial
C _{0r}	2.220.000 N	Basic static load rating, radial
C _{ur}	222.000 N	Fatigue load limit, radial
n _G	2.070 1/min	Limiting speed
n _{gr}	1.260 1/min	Reference speed

Mounting dimensions

d _{a min}	204 mm	Minimum diameter shaft shoulder
D _{a max}	306 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius



Dimensions

r_{min}	3 mm	Minimum chamfer dimension
D_1	281,6 mm	Bore diameter outer ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,3	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,28	Dynamic axial load factor
Y_2	3,39	Dynamic axial load factor
Y_0	2,23	Static axial load factor

Właściwości

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