



FAG

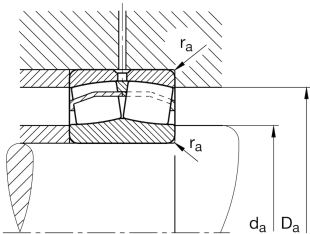
22315-E1-XL-C2

Spherical Roller Bearing

Spherical roller bearings 223...-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	JPA	Sheet metal cage
Radial internal clearance	C2 (Group 2)	Internal clearance smaller than CN
Relubrication	Standard	

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	55 mm	Width
C _r	445.000 N	Basic dynamic load rating, radial
C _{0r}	450.000 N	Basic static load rating, radial
C _{ur}	41.500 N	Fatigue load limit, radial
n _G	4.500 1/min	Limiting speed
n _{gr}	3.550 1/min	Reference speed
≈m	5,253 kg	Masa

Mounting dimensions

d _{a min}	87 mm	Minimum diameter shaft shoulder
D _{a max}	148 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	136,3 mm	Bore diameter outer ring
d_2	92,4 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}	200 °C	Operating temperature max.

Calculation factors

e	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,99	Dynamic axial load factor
Y_2	2,96	Dynamic axial load factor
Y_0	1,94	Static axial load factor

Właściwości

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