



FAG

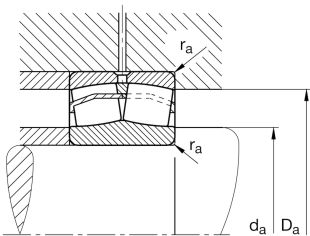
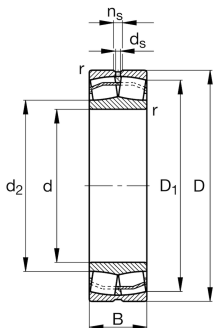
22220-E1-XL-C5

Spherical Roller Bearing

Spherical roller bearings 222...-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
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	46 mm	Width
C _r	430.000 N	Basic dynamic load rating, radial
C _{0r}	475.000 N	Basic static load rating, radial
C _{ur}	53.000 N	Fatigue load limit, radial
n _G	4.550 1/min	Limiting speed
n _{gr}	3.150 1/min	Reference speed
m	4,936 kg	Masa

Mounting dimensions

d _{a min}	112 mm	Minimum diameter shaft shoulder
D _{a max}	168 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	161,4 mm	Bore diameter outer ring
d_2	119 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	0,24	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,84	Dynamic axial load factor
Y_2	4,23	Dynamic axial load factor
Y_0	2,78	Static axial load factor

Właściwości

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