

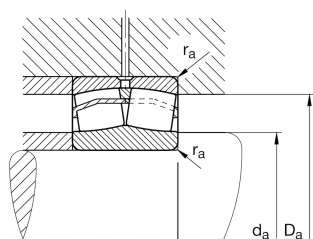
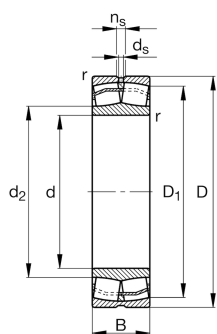
**FAG****22219-E1-XL-C3**

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
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	95 mm	Bore diameter
D	170 mm	Outside diameter
B	43 mm	Width
C _r	380.000 N	Basic dynamic load rating, radial
C _{0r}	415.000 N	Basic static load rating, radial
C _{ur}	48.500 N	Fatigue load limit, radial
n _G	4.850 1/min	Limiting speed
n _{gr}	3.300 1/min	Reference speed
≈m	4,056 kg	Masa

Mounting dimensions

d _{a min}	107 mm	Minimum diameter shaft shoulder
D _{a max}	158 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	152,7 mm	Bore diameter outer ring
d ₂	112,6 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 Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,87	Dynamic axial load factor
Y ₂	4,27	Dynamic axial load factor
Y ₀	2,8	Static axial load factor

Właściwości

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