



FAG

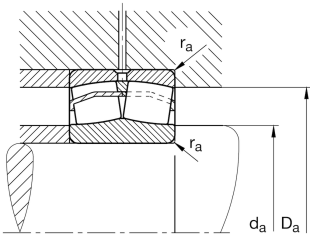
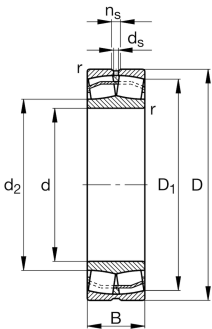
22209-E1-XL-C2

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	C2 (Group 2)	Internal clearance smaller than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	23 mm	Width
C _r	104.000 N	Basic dynamic load rating, radial
C _{0r}	99.000 N	Basic static load rating, radial
C _{ur}	13.000 N	Fatigue load limit, radial
n _G	10.100 1/min	Limiting speed
n _{gr}	5.600 1/min	Reference speed
≈m	0,562 kg	Masa

Mounting dimensions

d _{a min}	52 mm	Minimum diameter shaft shoulder
D _{a max}	78 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum recess radius



Dimensions

r _{min}	1,1 mm	Minimum chamfer dimension
D ₁	75,6 mm	Bore diameter outer ring
d ₂	55 mm	Raceway diameter of the inner ring
d _s	3,2 mm	Diameter lubrication hole
n _s	4,8 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,25	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,74	Dynamic axial load factor
Y ₂	4,08	Dynamic axial load factor
Y ₀	2,68	Static axial load factor

Właściwości

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