



FAG

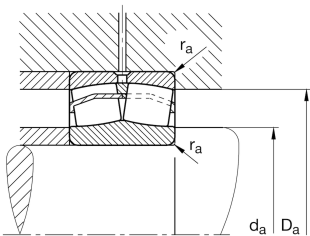
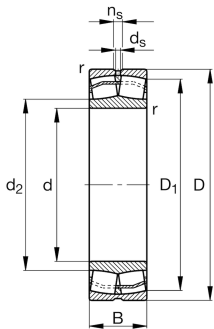
22208-E1-XL-C3

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	40 mm	Bore diameter
D	80 mm	Outside diameter
B	23 mm	Width
C _r	101.000 N	Basic dynamic load rating, radial
C _{0r}	91.000 N	Basic static load rating, radial
C _{ur}	12.100 N	Fatigue load limit, radial
n _G	10.500 1/min	Limiting speed
n _{gr}	6.200 1/min	Reference speed
≈m	0,524 kg	Masa

Mounting dimensions

d _{a min}	47 mm	Minimum diameter shaft shoulder
D _{a max}	73 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	70,4 mm	Bore diameter outer ring
d_2	48,8 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	0,27	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,49	Dynamic axial load factor
Y_2	3,71	Dynamic axial load factor
Y_0	2,43	Static axial load factor

Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna