



FAG

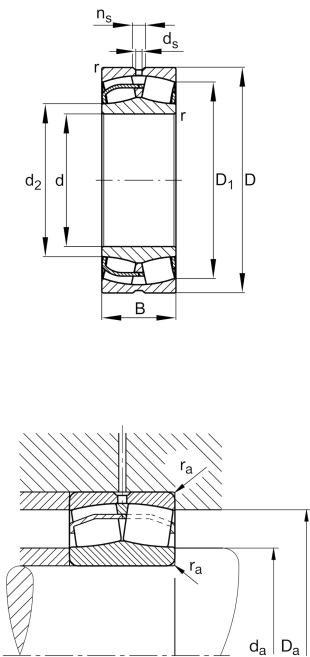
22244-BE-XL-H151-C3

Spherical Roller Bearing

Spherical roller bearings 222...-E1, main dimensions to DIN 635-2

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	
Locating feature, bearing outer ring	H151	1 Locking feature, bearing outer ring

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	400 mm	Outside diameter
B	108 mm	Width
C _r	1.840.000 N	Basic dynamic load rating, radial
C _{0r}	2.360.000 N	Basic static load rating, radial
C _{ur}	216.000 N	Fatigue load limit, radial
n _G	2.140 1/min	Limiting speed
n _{gr}	1.350 1/min	Reference speed

≈m	57,7 kg	Masa
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Mounting dimensions

$d_{a\ min}$	237 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	383 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	346,6 mm	Bore diameter outer ring
d_2	260,1 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

Calculation factors

e	0,26	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,57	Dynamic axial load factor
Y_2	3,83	Dynamic axial load factor
Y_0	2,52	Static axial load factor



Właściwości

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