

FAG

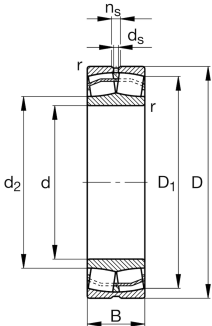
22315-E1-XL-C2

Spherical Roller Bearing

Spherical roller bearings 223...-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	75 mm	Bore diameter
D	160 mm	Outside diameter
B	55 mm	Width
C _r	445.000 N	Basic dynamic load rating, radial
C _{0r}	450.000 N	Basic static load rating, radial
C _{ur}	41.500 N	Fatigue load limit, radial
n _G	4.500 1/min	Limiting speed
n _{gr}	3.550 1/min	Reference speed
≈m	5,253 kg	Masa



Mounting dimensions

$d_{a\ min}$	87 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	148 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	136,3 mm	Bore diameter outer ring
d_2	92,4 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	0,34	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1,99	Dynamic axial load factor
Y_2	2,96	Dynamic axial load factor
Y_0	1,94	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna