



FAG

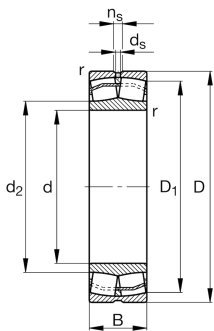
22318-E1-XL-C4

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
C _r	610.000 N	Basic dynamic load rating, radial
C _{0r}	630.000 N	Basic static load rating, radial
C _{ur}	56.000 N	Fatigue load limit, radial
n _G	3.850 1/min	Limiting speed
n _{gr}	3.000 1/min	Reference speed
≈m	8,06 kg	Masa

Mounting dimensions

d _{a min}	104 mm	Minimum diameter shaft shoulder
D _{a max}	176 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius



Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
D_1	162,5 mm	Bore diameter outer ring
d_2	110,2 mm	Raceway diameter of the inner ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,03	Dynamic axial load factor
Y_2	3,02	Dynamic axial load factor
Y_0	1,98	Static axial load factor

Właściwości

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