



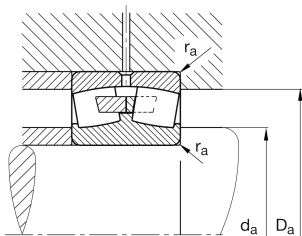
FAG

238/500-B-MB

Spherical Roller Bearing

Spherical roller bearing 238...-B-MB,
symmetric 3 ribs

Informacje techniczne



Twoja aktualna wersja produktu

Design	B	With fixed central rib
Bore type	Z	Cylindrical
Cage	MB	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	620 mm	Outside diameter
B	90 mm	Width
C _r	1.540.000 N	Basic dynamic load rating, radial
C _{0r}	4.150.000 N	Basic static load rating, radial
C _{ur}	265.000 N	Fatigue load limit, radial
n _G	1.120 1/min	Limiting speed
n _{gr}	540 1/min	Reference speed
≈m	62 kg	Masa

Mounting dimensions

d _{a min}	512,4 mm	Minimum diameter shaft shoulder
D _{a max}	607,6 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	586,2 mm	Bore diameter outer 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	0,12	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	5,42	Dynamic axial load factor
Y_2	8,06	Dynamic axial load factor
Y_0	5,3	Static axial load factor

Właściwości

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