



FAG

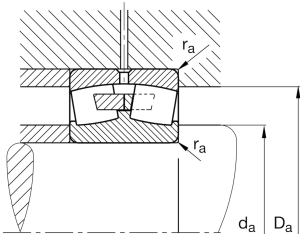
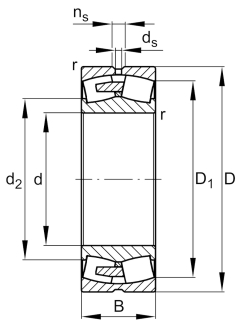
231/500-BEA-XL-MB1-C3

Spherical Roller Bearing

Spherical roller bearing 231...-BEA-XL-MB1, symmetric 2 outer ribs with rib washer

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MB1	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	830 mm	Outside diameter
B	264 mm	Width
C _r	8.300.000 N	Basic dynamic load rating, radial
C _{0r}	13.900.000 N	Basic static load rating, radial
C _{ur}	890.000 N	Fatigue load limit, radial
n _G	690 1/min	Limiting speed
n _{gr}	350 1/min	Reference speed
≈m	576,5 kg	Masa

Mounting dimensions

d _{a min}	532 mm	Minimum diameter shaft shoulder
D _{a max}	798 mm	
r _{a max}	6 mm	Maximum recess radius



Dimensions

r_{min}	7,5 mm	Minimum chamfer dimension
D_1	723,1 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,31	
Y_1	2,2	Dynamic axial load factor
Y_2	3,27	Dynamic axial load factor
Y_0	2,15	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