



FAG

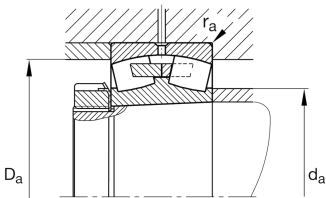
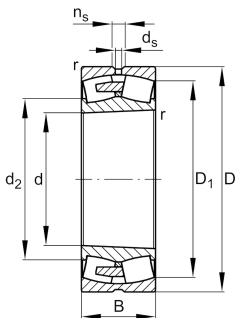
231/500-BEA-XL-K-MB1

Spherical Roller Bearing

Spherical roller bearing 231...-BEA-XL-K-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	K	Tapered, taper 1:12
Cage	MB1	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	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	559 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
d _{a max}	578 mm	
d _{b min}	527 mm	Minimum cavity diameter of the sleeve
B _{a min}	18 mm	Minimum cavity width of the sleeve

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

Additional information

H31/500-HG	Adapter sleeve
AHX31/500-H	Withdrawal sleeve



Właściwości

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