



FAG

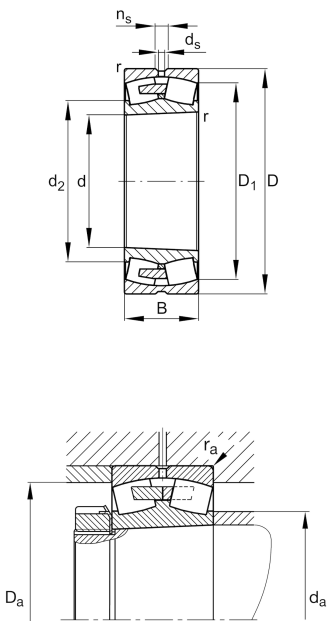
23160-BEA-XL-K-MB1-W209B-C4

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Special material	W209B	Inner ring from case hardened steel

Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	500 mm	Outside diameter
B	160 mm	Width
C _r	3.250.000 N	Basic dynamic load rating, radial
C _{0r}	4.950.000 N	Basic static load rating, radial
C _{ur}	375.000 N	Fatigue load limit, radial
n _G	1.300 1/min	Limiting speed
n _{gr}	720 1/min	Reference speed
≈m	121,3 kg	Masa



Mounting dimensions

d _{a min}	320 mm	Minimum diameter shaft shoulder
D _{a max}	480 mm	
r _{a max}	4 mm	Maximum recess radius
d _{a max}	347 mm	
d _{b min}	318 mm	Minimum cavity diameter of the sleeve
B _{a min}	12 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	5 mm	Minimum chamfer dimension
D ₁	436,8 mm	Bore diameter outer ring
d _s	9,5 mm	Diameter lubrication hole
n _s	17,7 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	2,18	Dynamic axial load factor
Y ₂	3,24	Dynamic axial load factor
Y ₀	2,13	Static axial load factor

Additional information

H3160	Adapter sleeve
AH3160G	Withdrawal sleeve



Właściwości

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