



FAG

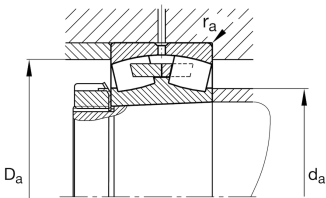
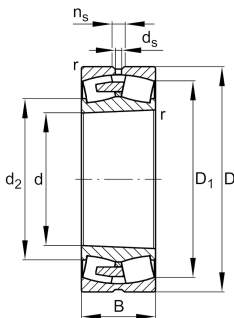
23096-BEA-XL-K-MB1-C3

Spherical Roller Bearing

Spherical roller bearing 230...-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	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	480 mm	Bore diameter
D	700 mm	Outside diameter
B	165 mm	Width
C _r	4.450.000 N	Basic dynamic load rating, radial
C _{0r}	8.000.000 N	Basic static load rating, radial
C _{ur}	640.000 N	Fatigue load limit, radial
n _G	950 1/min	Limiting speed
n _{gr}	550 1/min	Reference speed
≈m	205,5 kg	Masa



Mounting dimensions

d _{a min}	503 mm	Minimum diameter shaft shoulder
D _{a max}	677 mm	
r _{a max}	5 mm	Maximum recess radius
d _{a max}	529 mm	
d _{b min}	499 mm	Minimum cavity diameter of the sleeve
B _{a min}	18 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	6 mm	Minimum chamfer dimension
D ₁	637,3 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	0,21	
Y ₁	3,27	Dynamic axial load factor
Y ₂	4,87	Dynamic axial load factor
Y ₀	3,2	Static axial load factor

Additional information

H3096-HG	Adapter sleeve
AHX3096G-H	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna