



FAG

230/500-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	Standard	

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	720 mm	Outside diameter
B	167 mm	Width
C _r	4.700.000 N	Basic dynamic load rating, radial
C _{0r}	8.700.000 N	Basic static load rating, radial
C _{ur}	760.000 N	Fatigue load limit, radial
n _G	890 1/min	Limiting speed
n _{gr}	510 1/min	Reference speed
≈m	217,5 kg	Masa



Mounting dimensions

$d_{a \min}$	523 mm	Minimum diameter shaft shoulder
$D_{a \max}$	697 mm	
$r_{a \max}$	5 mm	Maximum recess radius
$d_{a \max}$	550 mm	
$d_{b \min}$	519 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	656,5 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	3,24	Dynamic axial load factor
Y_2	4,82	Dynamic axial load factor
Y_0	3,16	Static axial load factor

Additional information

H30/500-HG	Adapter sleeve
AHX30/500-H	Withdrawal sleeve



Właściwości

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