



FAG

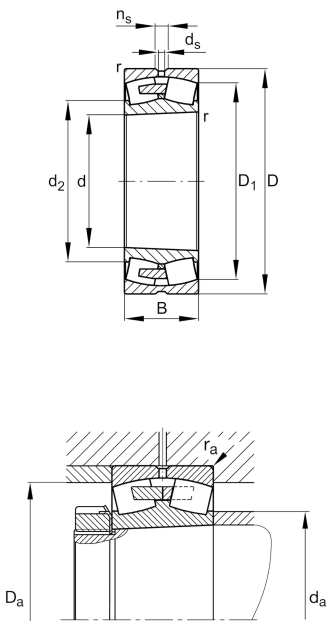
23164-BEA-XL-K-MB1-W209B-C4

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	320 mm	Bore diameter
D	540 mm	Outside diameter
B	176 mm	Width
C _r	3.800.000 N	Basic dynamic load rating, radial
C _{0r}	5.900.000 N	Basic static load rating, radial
C _{ur}	425.000 N	Fatigue load limit, radial
n _G	1.170 1/min	Limiting speed
n _{gr}	650 1/min	Reference speed
≈m	158,44 kg	Masa



Mounting dimensions

$d_{a \min}$	340 mm	Minimum diameter shaft shoulder
$D_{a \max}$	520 mm	
$r_{a \max}$	4 mm	Maximum recess radius
$d_{a \max}$	369 mm	
$d_{b \min}$	338 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	13 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
D_1	469,3 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	0,32	
Y_1	2,13	Dynamic axial load factor
Y_2	3,17	Dynamic axial load factor
Y_0	2,08	Static axial load factor

Additional information

H3164-HG	Adapter sleeve
AH3164G-H	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna