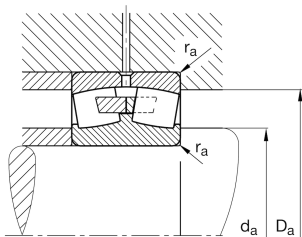
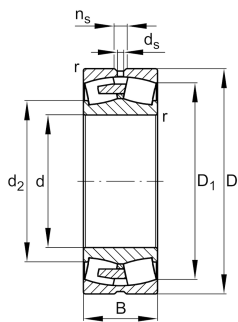
**FAG****23160-BEA-XL-MB1-H40**

Spherical Roller Bearing

Spherical roller bearing 231...-BEA-XL-MB1-H40, symmetric 2 outer ribs with rib washer

X-life

Technical information



Your current product variant

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MB1	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	H40	Without lubricating groove and holes

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
$\approx m$	127,1 kg	Weight

Mounting dimensions

$d_{a \min}$	320 mm	Minimum diameter shaft shoulder
$D_{a \max}$	480 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius



Dimensions

r_{min}	5 mm	Minimum chamfer dimension
D_1	436,8 mm	Bore diameter outer ring

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,31	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,18	Dynamic axial load factor
Y_2	3,24	Dynamic axial load factor
Y_0	2,13	Static axial load factor

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment