

**FAG****22360-BEA-XL-MB1**

Spherical Roller Bearing

Spherical roller bearing 223..-BEA-XL-MB1,
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	Standard	
Locating feature, bearing outer ring	Without	
Handling thread holes	Without	
Special material	Standard	

Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	620 mm	Outside diameter
B	185 mm	Width
C_r	4.650.000 N	Basic dynamic load rating, radial
C_{0r}	6.000.000 N	Basic static load rating, radial
C_{ur}	450.000 N	Fatigue load limit, radial
n_G	1.190 1/min	Limiting speed
n_{gr}	610 1/min	Reference speed
$\approx m$	266,5 kg	Weight



Mounting dimensions

$d_{a \min}$	332 mm	Minimum diameter shaft shoulder
$D_{a \max}$	588 mm	Maximum diameter of housing shoulder
$r_{a \max}$	6 mm	Maximum recess radius

Dimensions

r_{\min}	7,5 mm	Minimum chamfer dimension
D_1	530,3 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	0,31	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,21	Dynamic axial load factor
Y_2	3,29	Dynamic axial load factor
Y_0	2,16	Static axial load factor



Characteristics

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