

**FAG****22368-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 &amp; Performance Data

d	340 mm	Bore diameter
D	710 mm	Outside diameter
B	212 mm	Width
$C_r$	6.000.000 N	Basic dynamic load rating, radial
$C_{0r}$	8.000.000 N	Basic static load rating, radial
$C_{ur}$	570.000 N	Fatigue load limit, radial
$n_G$	1.010 1/min	Limiting speed
$n_{gr}$	500 1/min	Reference speed
$\approx m$	404,5 kg	Weight



### Mounting dimensions

$d_{a \min}$	372 mm	Minimum diameter shaft shoulder
$D_{a \max}$	678 mm	Maximum diameter of housing shoulder
$r_{a \max}$	6 mm	Maximum recess radius

### Dimensions

$r_{\min}$	7,5 mm	Minimum chamfer dimension
$D_1$	605,95 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
$Y_1$	2,2	Dynamic axial load factor
$Y_2$	3,27	Dynamic axial load factor
$Y_0$	2,15	Static axial load factor



### Characteristics

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-  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