

**FAG****23968-MB-H40AB-C3**

Spherical Roller Bearing

Spherical roller bearing 239..-MB-H40AB,  
symmetric 3 ribs

## Technical information



## Your current product variant

Bore type	Z	Cylindrical
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	H40AB	6 lubricating holes at the inner ring

## Main Dimensions &amp; Performance Data

d	340 mm	Bore diameter
D	460 mm	Outside diameter
B	90 mm	Width
$C_r$	1.370.000 N	Basic dynamic load rating, radial
$C_{0r}$	3.000.000 N	Basic static load rating, radial
$C_{ur}$	204.000 N	Fatigue load limit, radial
$n_G$	1.610 1/min	Limiting speed
$n_{gr}$	860 1/min	Reference speed
$m$	43,4 kg	Weight

## Mounting dimensions

$d_{a \min}$	352,4 mm	Minimum diameter shaft shoulder
$D_{a \max}$	447,6 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius





## Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	426,7 mm	Bore diameter outer ring
$d_s$	9,5 mm	Diameter lubrication hole
$n_s$	17,7 mm	Width of lubricating groove

## Temperature range

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

## Calculation factors

$e$	0,18	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,85	Dynamic axial load factor
$Y_2$	5,73	Dynamic axial load factor
$Y_0$	3,76	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