

**FAG****23988-MB-H40AB** [↗](#)

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	CN (Group N)	Normal internal clearance
Relubrication facility	H40AB	6 lubricating holes at the inner ring

**Main Dimensions & Performance Data**

d	440 mm	Bore diameter
D	600 mm	Outside diameter
B	118 mm	Width
$C_r$	2.230.000 N	Basic dynamic load rating, radial
$C_{0r}$	5.200.000 N	Basic static load rating, radial
$C_{ur}$	305.000 N	Fatigue load limit, radial
$n_G$	1.130 1/min	Limiting speed
$n_{gr}$	620 1/min	Reference speed
$m$	106 kg	Weight

**Mounting dimensions**

$d_{a \min}$	454,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	585,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius



## Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$D_1$	552,8 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

$e$	0,18	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,66	Dynamic axial load factor
$Y_2$	5,46	Dynamic axial load factor
$Y_0$	3,58	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