

**FAG****23976-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 &amp; Performance Data

d	380 mm	Bore diameter
D	520 mm	Outside diameter
B	106 mm	Width
$C_r$	1.780.000 N	Basic dynamic load rating, radial
$C_{0r}$	4.000.000 N	Basic static load rating, radial
$C_{ur}$	270.000 N	Fatigue load limit, radial
$n_G$	1,340 1/min	Limiting speed
$n_{gr}$	750 1/min	Reference speed
$\approx m$	70 kg	Weight

## Mounting dimensions

$d_{a \min}$	394,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	505,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius



## Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$D_1$	477,6 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

$e$	0,19	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	3,58	Dynamic axial load factor
$Y_2$	5,33	Dynamic axial load factor
$Y_0$	3,5	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