

**FAG****239/1060-K-MB-C3**

## Spherical Roller Bearing

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

## Technical information

**Your current product variant**

Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

**Main Dimensions & Performance Data**

d	1.060 mm	Bore diameter
D	1.400 mm	Outside diameter
B	250 mm	Width
$C_r$	9.900.000 N	Basic dynamic load rating, radial
$C_{0r}$	26.000.000 N	Basic static load rating, radial
$C_{ur}$	1.450.000 N	Fatigue load limit, radial
$n_G$	420 1/min	Limiting speed
$n_{gr}$	202 1/min	Reference speed
$m$	1.045 kg	Weight

**Mounting dimensions**

$d_{a \min}$	1.088 mm	Minimum diameter shaft shoulder
$D_{a \max}$	1.372 mm	Maximum diameter of housing shoulder
$r_{a \max}$	6 mm	Maximum recess radius



## Dimensions

$r_{\min}$	7,5 mm	Minimum chamfer dimension
$D_1$	1.307,6 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

$e$	0,17	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	4,05	Dynamic axial load factor
$Y_2$	6,04	Dynamic axial load factor
$Y_0$	3,96	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