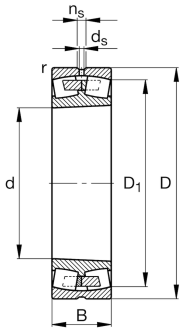


**FAG****239/1060-K-MB**

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 | CN (Group N) | Normal internal clearance |
| Relubrication facility    | Standard     |                           |

**Main Dimensions & Performance Data**

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 1.060 mm     | Bore diameter                     |
| D               | 1.400 mm     | Outside diameter                  |
| B               | 250 mm       | Width                             |
| C <sub>r</sub>  | 9.900.000 N  | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 26.000.000 N | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.450.000 N  | Fatigue load limit, radial        |
| n <sub>G</sub>  | 420 1/min    | Limiting speed                    |
| n <sub>gr</sub> | 202 1/min    | Reference speed                   |
| m               | 1.042 kg     | Weight                            |

**Mounting dimensions**

|                    |          |                                      |
|--------------------|----------|--------------------------------------|
| d <sub>a min</sub> | 1.088 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 1.372 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 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 |