

**FAG****52324-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 523...MP,  
double direction, solid brass cage

## Technical information



## Your current product variant

|                                  |    |  |
|----------------------------------|----|--|
| Cage                             | MP | Solid brass cage, rolling element guided |
| Tolerance class                  | PN | Tolerance class PN, acc. to DIN 620      |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150°  |

## Main Dimensions &amp; Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 100 mm      | Inner diameter shaft washer      |
| D               | 210 mm      | Outer diameter housing washer    |
| T <sub>2</sub>  | 123 mm      | Height                           |
| C <sub>a</sub>  | 325.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 910.000 N   | Basic static load rating, axial  |
| C <sub>ua</sub> | 32.500 N    | Fatigue load limit, axial        |
| n <sub>G</sub>  | 1.610 1/min | Limiting speed                   |
| n <sub>gr</sub> | 3.100 1/min | Reference speed                  |
| m               | 19,344 kg   | Weight                           |

## Mounting dimensions

|                     |        |                                      |
|---------------------|--------|--------------------------------------|
| d <sub>a max</sub>  | 120 mm | Maximum diameter shaft shoulder      |
| D <sub>a max</sub>  | 156 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 2,1 mm | Maximum filled radius                |
| r <sub>a1 max</sub> | 1 mm   | Maximum filled radius                |



### Dimensions

|                    |        |                               |
|--------------------|--------|-------------------------------|
| D <sub>1</sub>     | 123 mm | Inner diameter housing washer |
| B                  | 27 mm  | Height shaft washer           |
| r <sub>min</sub>   | 2,1 mm | Minimum chamfer dimension     |
| r <sub>1 min</sub> | 1,1 mm | Minimum chamfer dimension     |






### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

### Calculation factors

|   |     |                     |
|---|-----|---------------------|
| A | 4,4 | Minimum load factor |
|---|-----|---------------------|

### Characteristics

-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed