

**FAG****51236-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 512...-MP,
single 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 | S1 | Rings dimensional stabilized up to 200° |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 180 mm | Inner diameter shaft washer |
| D | 250 mm | Outer diameter housing washer |
| T | 56 mm | Height |
| C _a | 305.000 N | Basic dynamic load rating, axial |
| C _{0a} | 1.030.000 N | Basic static load rating, axial |
| C _{ua} | 32.500 N | Fatigue load limit, axial |
| n _G | 1.670 1/min | Limiting speed |
| n _{gr} | 2.080 1/min | Reference speed |
| m | 8,404 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|--------------------------------------|
| d _{a min} | 222 mm | Minimum diameter shaft shoulder |
| D _{a max} | 208 mm | Maximum diameter of housing shoulder |
| r _{a max} | 1,5 mm | Maximum filled radius |



Dimensions

| | | |
|------------|--------|-------------------------------|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 183 mm | Inner diameter housing washer |
| d_1 | 245 mm | Outer diameter shaft washer |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 200 °C | Operating temperature max. |

Calculation factors

| | | |
|---|-----|---------------------|
| A | 5,4 | Minimum load factor |
|---|-----|---------------------|

Characteristics

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