

**FAG****51240-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	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°

## Main Dimensions &amp; Performance Data

d	200 mm	Inner diameter shaft washer
D	280 mm	Outer diameter housing washer
T	62 mm	Height
C <sub>a</sub>	340,000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	1,220,000 N	Basic static load rating, axial
C <sub>ua</sub>	36,000 N	Fatigue load limit, axial
n <sub>G</sub>	1,510 1/min	Limiting speed
n <sub>gr</sub>	1,890 1/min	Reference speed
m	11.939 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	248 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	232 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum fillet radius



### Dimensions

$r_{min}$	2 mm	Minimum chamfer dimension
$D_1$	204 mm	Inner diameter housing washer
$d_1$	275 mm	Outer diameter shaft washer

### Temperature range

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

### Calculation factors

A	7.8	Minimum load factor
---	-----	---------------------

### Characteristics

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