

**FAG****51238-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	190 mm	Inner diameter shaft washer
D	270 mm	Outer diameter housing washer
T	62 mm	Height
C <sub>a</sub>	335.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	1.170.000 N	Basic static load rating, axial
C <sub>ua</sub>	35.500 N	Fatigue load limit, axial
n <sub>G</sub>	1.540 1/min	Limiting speed
n <sub>gr</sub>	2.010 1/min	Reference speed
m	11,436 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	238 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	222 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2 mm	Maximum fillet radius



### Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
$D_1$	194 mm	Inner diameter housing washer
$d_1$	265 mm	Outer diameter shaft washer





### Temperature range

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

### Calculation factors

A	7,2	Minimum load factor
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### Characteristics

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