

**FAG****52240-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 522...-MP,
double 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 & Performance Data

d	170 mm	Inner diameter shaft washer
D	280 mm	Outer diameter housing washer
T ₂	109 mm	Height
C _a	340.000 N	Basic dynamic load rating, axial
C _{0a}	1.220.000 N	Basic static load rating, axial
C _{ua}	36.000 N	Fatigue load limit, axial
n _G	1.510 1/min	Limiting speed
n _{gr}	1.880 1/min	Reference speed
m	22.912 kg	Weight

Mounting dimensions

d _{a max}	200 mm	Maximum diameter shaft shoulder
D _{a max}	232 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum filled radius
r _{a1 max}	2 mm	Maximum filled radius



Dimensions

D ₁	204 mm	Inner diameter housing washer
B	24 mm	Height shaft washer
r _{min}	2 mm	Minimum chamfer dimension
r _{1 min}	2 mm	Minimum chamfer dimension






Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

A	7,8	Minimum load factor
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Characteristics

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