

**FAG****52232-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	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	140 mm	Inner diameter shaft washer
D	225 mm	Outer diameter housing washer
T ₂	90 mm	Height
C _a	240.000 N	Basic dynamic load rating, axial
C _{0a}	770.000 N	Basic static load rating, axial
C _{ua}	25.500 N	Fatigue load limit, axial
n _G	1.900 1/min	Limiting speed
n _{gr}	2.400 1/min	Reference speed
m	12,253 kg	Weight

Mounting dimensions

d _{a max}	160 mm	Maximum diameter shaft shoulder
D _{a max}	186 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum filled radius
r _{a1 max}	1 mm	Maximum filled radius



Dimensions

D ₁	163 mm	Inner diameter housing washer
B	20 mm	Height shaft washer
r _{min}	1,5 mm	Minimum chamfer dimension
r _{1 min}	1,1 mm	Minimum chamfer dimension

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Calculation factors

A	3,2	Minimum load factor
---	-----	---------------------

Characteristics

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