

**FAG****52324-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 523...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	100 mm	Inner diameter shaft washer
D	210 mm	Outer diameter housing washer
T ₂	123 mm	Height
C _a	325.000 N	Basic dynamic load rating, axial
C _{0a}	910.000 N	Basic static load rating, axial
C _{ua}	32.500 N	Fatigue load limit, axial
n _G	1.610 1/min	Limiting speed
n _{gr}	3.100 1/min	Reference speed
m	19,344 kg	Weight

Mounting dimensions

d _{a max}	120 mm	Maximum diameter shaft shoulder
D _{a max}	156 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum filled radius
r _{a1 max}	1 mm	Maximum filled radius



Dimensions

D ₁	123 mm	Inner diameter housing washer
B	27 mm	Height shaft washer
r _{min}	2,1 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	4,4	Minimum load factor
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Characteristics

 Axial load in one direction

 Axial load in two directions

 Grease Lubrication

 Oil Lubrication

 Not sealed