

**FAG****54324-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 543...MP, double direction, with spherical housing washer, 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	131,2 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	18,8 kg	Weight

Mounting dimensions

d _{a max}	120 mm	Maximum diameter shaft shoulder
D _{a max}	165 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
R	160 mm	Radius spherical housing washer
A	58 mm	Distance of the center point
T ₃	143 mm	Height with seat washer
D ₂	165 mm	Bore diameter seat washer
D ₃	220 mm	Outside diameter seat washer
C	22 mm	Height seat washer

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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Additional information

U324	Seat washer
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Characteristics

	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Static angular error and misalignment