

**FAG****53324-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 533..-MP, single direction, with spherical housing washer, solid brass cage

Technical information



Your current product variant

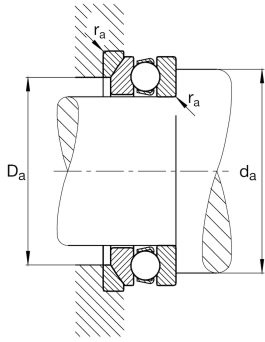
Cage	MP	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	120 mm	Inner diameter shaft washer
D	210 mm	Outer diameter housing washer
T	74,1 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}	3.200 1/min	Reference speed
$\approx m$	10,371 kg	Weight

Mounting dimensions

$d_{a \min}$	174 mm	Minimum diameter shaft shoulder
$D_{a \max}$	165 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum filled radius



Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
D_1	123 mm	Inner diameter housing washer
d_1	205 mm	Outer diameter shaft washer
R	160 mm	Radius spherical housing washer
A	63 mm	Distance of the center point
T_1	80 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

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