

**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 &amp; Performance Data

d	120 mm	Inner diameter shaft washer
D	210 mm	Outer diameter housing washer
T	74,1 mm	Height
C <sub>a</sub>	325.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	910.000 N	Basic static load rating, axial
C <sub>ua</sub>	32.500 N	Fatigue load limit, axial
n <sub>G</sub>	1.610 1/min	Limiting speed
n <sub>gr</sub>	3.200 1/min	Reference speed
≈m	10,371 kg	Weight

## Mounting dimensions

d <sub>a min</sub>	174 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	165 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	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