

**FAG****53322-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	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	110 mm	Inner diameter shaft washer
D	190 mm	Outer diameter housing washer
T	67,2 mm	Height
C _a	280.000 N	Basic dynamic load rating, axial
C _{0a}	740.000 N	Basic static load rating, axial
C _{ua}	28.000 N	Fatigue load limit, axial
n _G	1.790 1/min	Limiting speed
n _{gr}	3.400 1/min	Reference speed
≈m	7,701 kg	Weight

Mounting dimensions

d _{a min}	158 mm	Minimum diameter shaft shoulder
D _{a max}	150 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum filled radius



Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	113 mm	Inner diameter housing washer
d_1	187 mm	Outer diameter shaft washer
R	140 mm	Radius spherical housing washer
A	51 mm	Distance of the center point
T_1	72 mm	Height with seat washer
D_2	150 mm	Bore diameter seat washer
D_3	195 mm	Outside diameter seat washer
C	20,5 mm	Height seat washer

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Calculation factors

A	3	Minimum load factor
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Additional information

U322	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