

**FAG****53238-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 532...-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	S1	Rings dimensional stabilized up to 200°

Main Dimensions & Performance Data

d	190 mm	Inner diameter shaft washer
D	270 mm	Outer diameter housing washer
T	65,7 mm	Height
C _a	335.000 N	Basic dynamic load rating, axial
C _{0a}	1.170.000 N	Basic static load rating, axial
C _{ua}	35.500 N	Fatigue load limit, axial
n _G	1.540 1/min	Limiting speed
n _{gr}	2.010 1/min	Reference speed
≈m	11,263 kg	Weight

Mounting dimensions

d _{a min}	238 mm	Minimum diameter shaft shoulder
D _{a max}	230 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum filled radius



Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	194,7 mm	Inner diameter housing washer
d_1	265 mm	Outer diameter shaft washer
R	200 mm	Radius spherical housing washer
A	98 mm	Distance of the center point
T_1	73 mm	Height with seat washer
D_2	230 mm	Bore diameter seat washer
D_3	280 mm	Outside diameter seat washer
C	23 mm	Height seat washer

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.

Calculation factors

A	7,2	Minimum load factor
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Additional information

U238	Seat washer
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Characteristics

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