

**FAG****53201** **Axial deep groove ball bearing**

Axial deep groove ball bearing 532, single direction, with spherical housing washer, steel sheet metal cage

Technical information

**Your current product variant**

Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

Main Dimensions & Performance Data

d	12 mm	Inner diameter shaft washer
D	28 mm	Outer diameter housing washer
T	11,4 mm	Height
C _a	13.200 N	Basic dynamic load rating, axial
C _{0a}	19.000 N	Basic static load rating, axial
C _{ua}	870 N	Fatigue load limit, axial
n _G	11.300 1/min	Limiting speed
n _{gr}	16.900 1/min	Reference speed
≈m	30 g	Weight

Mounting dimensions

d _{a min}	22 mm	Minimum diameter shaft shoulder
D _{a max}	20 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum filled radius



Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
D_1	14 mm	Inner diameter housing washer
d_1	28 mm	Outer diameter shaft washer
R	25 mm	Radius spherical housing washer
A	11,5 mm	Distance of the center point
T_1	13 mm	Height with seat washer
D_2	20 mm	Bore diameter seat washer
D_3	30 mm	Outside diameter seat washer
C	3,5 mm	Height seat washer

Temperature range

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

Calculation factors

A	0,002	Minimum load factor
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Additional information

U201	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