

FAG**51201**

Axial deep groove ball bearing

Schaeffler ID:
0167149890000Axial deep groove ball bearing 512, single
direction, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	12 mm	Bore diameter
D	28 mm	Outside diameter
T	11 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
	30 g	Weight

Additional information

r _{min}	0,6 mm	Minimum chamfer dimension
D ₁	14 mm	Bore diameter housing washer
d ₁	28 mm	Lip diameter shaft washer

Mounting dimensions

d _{a min}	22 mm	Minimum diameter shaft shoulder
D _{a max}	18 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum recess radius

Calculation factors

A	0,002	Minimum load factor
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Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.