

**FAG****51200**

Axial deep groove ball bearing

Schaeffler ID:
0167149700000Axial deep groove ball bearing 512, single
direction, steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	10 mm	Bore diameter
D	26 mm	Outside diameter
T	11 mm	Height
C_a	12,700 N	Basic dynamic load rating, axial
C_{0a}	17,100 N	Basic static load rating, axial
C_{ua}	780 N	Fatigue load limit, axial
n_G	10,900 1/min	Limiting speed
n_{gr}	19,100 1/min	Reference speed
	30 g	Weight

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_1	12 mm	Bore diameter housing washer
d_1	26 mm	Lip diameter shaft washer

Mounting dimensions

$d_{a min}$	20 mm	Minimum diameter shaft shoulder
$D_{a max}$	16 mm	Maximum diameter of housing shoulder
$r_{a max}$	0.6 mm	Maximum recess radius

Additional information

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.