

**FAG****51101**

Axial deep groove ball bearing

Axial deep groove ball bearing 511, single direction, steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	12 mm	Inner diameter shaft washer
D	26 mm	Outer diameter housing washer
T	9 mm	Height
C_a	10.300 N	Basic dynamic load rating, axial
C_{0a}	15.400 N	Basic static load rating, axial
C_{ua}	710 N	Fatigue load limit, axial
n_G	13.100 1/min	Limiting speed
n_{gr}	16.900 1/min	Reference speed
$\approx m$	21 g	Weight

Mounting dimensions

$d_{a \min}$	20 mm	Minimum diameter shaft shoulder
$D_{a \max}$	18 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,3 mm	Maximum fillet radius

Dimensions

r_{\min}	0,3 mm	Minimum chamfer dimension
D_1	13 mm	Inner diameter housing washer
d_1	26 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0,001	Minimum load factor
---	-------	---------------------