

**FAG****51113**

Axial deep groove ball bearing

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

Technical information



Main Dimensions & Performance Data

d	65 mm	Inner diameter shaft washer
D	90 mm	Outer diameter housing washer
T	18 mm	Height
C_a	38.500 N	Basic dynamic load rating, axial
C_{0a}	100.000 N	Basic static load rating, axial
C_{ua}	4.550 N	Fatigue load limit, axial
n_G	5.300 1/min	Limiting speed
n_{gr}	4.450 1/min	Reference speed
$\approx m$	340 g	Weight

Mounting dimensions

$d_{a \min}$	80 mm	Minimum diameter shaft shoulder
$D_{a \max}$	75 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	67 mm	Inner diameter housing washer
d_1	90 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0,063	Minimum load factor
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