

**FAG****51406**

Axial deep groove ball bearing

Axial deep groove ball bearing 514, single direction, steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	30 mm	Inner diameter shaft washer
D	70 mm	Outer diameter housing washer
T	28 mm	Height
C_a	70.000 N	Basic dynamic load rating, axial
C_{0a}	112.000 N	Basic static load rating, axial
C_{ua}	5.200 N	Fatigue load limit, axial
n_G	3.850 1/min	Limiting speed
n_{gr}	9.100 1/min	Reference speed
$\approx m$	0,491 kg	Weight

Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	46 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum filled radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	32 mm	Inner diameter housing washer
d_1	70 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0,077	Minimum load factor
---	-------	---------------------