



FAG

51312

Axial deep groove ball bearing

Axial deep groove ball bearing 513, single direction, steel sheet metal cage

Technical information

**Main Dimensions & Performance Data**

d	60 mm	Inner diameter shaft washer
D	110 mm	Outer diameter housing washer
T	35 mm	Height
C_a	101.000 N	Basic dynamic load rating, axial
C_{0a}	207.000 N	Basic static load rating, axial
C_{ua}	9.500 N	Fatigue load limit, axial
n_G	3.150 1/min	Limiting speed
n_{gr}	5.700 1/min	Reference speed
$\approx m$	1,369 kg	Weight

Mounting dimensions

$d_{a \min}$	90 mm	Minimum diameter shaft shoulder
$D_{a \max}$	80 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum filled radius

Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
D_1	62 mm	Inner diameter housing washer
d_1	110 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0,28	Minimum load factor
---	------	---------------------