



FAG

51312

Axial deep groove ball bearing

Schaeffler ID:
0167153490000Axial deep groove ball bearing 513, single
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
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
	1.369 kg	Weight

Dimensions

r_{min}	1.1 mm	Minimum chamfer dimension
D_1	62 mm	Bore diameter housing washer
d_1	110 mm	Lip diameter shaft washer

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 recess radius

Additional information

A	0.28	Minimum load factor
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Temperature range

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