



FAG

51108

Axial deep groove ball bearing

Schaeffler ID:
0167147090000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	60 mm	Outside diameter
T	13 mm	Height
C_a	25,500 N	Basic dynamic load rating, axial
C_{0a}	62,000 N	Basic static load rating, axial
C_{ua}	2,850 N	Fatigue load limit, axial
n_G	7,400 1/min	Limiting speed
n_{gr}	6,400 1/min	Reference speed
	0.001 kg	Weight

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_1	42 mm	Bore diameter housing washer
d_1	60 mm	Lip diameter shaft washer

Mounting dimensions

$d_{a min}$	52 mm	Minimum diameter shaft shoulder
$D_{a max}$	48 mm	Maximum diameter of housing shoulder
$r_{a max}$	0.6 mm	Maximum recess radius

Additional information

A	0.02	Minimum load factor
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Temperature range

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