



FAG

51109

Axial deep groove ball bearing

Schaeffler ID:
0167147170000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	65 mm	Outside diameter
T	14 mm	Height
C_a	26,500 N	Basic dynamic load rating, axial
C_{0a}	69,000 N	Basic static load rating, axial
C_{ua}	3,100 N	Fatigue load limit, axial
n_G	7,100 1/min	Limiting speed
n_{gr}	5,800 1/min	Reference speed
	0.151 kg	Weight

Dimensions

r_{min}	0.6 mm	Minimum chamfer dimension
D_1	47 mm	Bore diameter housing washer
d_1	65 mm	Lip diameter shaft washer

Mounting dimensions

$d_{a min}$	57 mm	Minimum diameter shaft shoulder
$D_{a max}$	53 mm	Maximum diameter of housing shoulder
$r_{a max}$	0.6 mm	Maximum recess radius

Additional information

A	0.025	Minimum load factor
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Temperature range

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