



FAG

★ 51105

Axial deep groove ball bearing

Schaeffler ID:
0167146790000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

★ Preferred product

Technical information



Temperature range

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

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	42 mm	Outside diameter
T	11 mm	Height
C_a	18.100 N	Basic dynamic load rating, axial
C_{0a}	35.500 N	Basic static load rating, axial
C_{ua}	1.620 N	Fatigue load limit, axial
n_G	9.700 1/min	Limiting speed
n_{gr}	9.500 1/min	Reference speed

Dimensions

r_{\min}	0,6 mm	Minimum chamfer dimension
D_1	26 mm	Bore diameter housing washer
d_1	42 mm	Lip diameter shaft washer

Mounting dimensions

$d_{a \min}$	35 mm	Minimum diameter shaft shoulder
$D_{a \max}$	32 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0,6 mm	Maximum recess radius

Additional information

A	0,006	Minimum load factor
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