

FAG**51307**

Axial deep groove ball bearing

Schaeffler ID:
0167152920000Axial deep groove ball bearing 513, single
direction, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	68 mm	Outside diameter
T	24 mm	Height
C _a	50.000 N	Basic dynamic load rating, axial
C _{0a}	89.000 N	Basic static load rating, axial
C _{ua}	4.050 N	Fatigue load limit, axial
n _G	4.850 1/min	Limiting speed
n _{gr}	8.200 1/min	Reference speed
	0,304 kg	Weight

Additional information

r _{min}	1 mm	Minimum chamfer dimension
D ₁	37 mm	Bore diameter housing washer
d ₁	68 mm	Lip diameter shaft washer

Mounting dimensions

d _{a min}	55 mm	Minimum diameter shaft shoulder
D _{a max}	48 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum recess radius

Calculation factors

A	0,05	Minimum load factor
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Temperature range

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