

FAG**51114**

Axial deep groove ball bearing

Schaeffler ID:
0167147760000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	95 mm	Outside diameter
T	18 mm	Height
C _a	40.000 N	Basic dynamic load rating, axial
C _{0a}	110.000 N	Basic static load rating, axial
C _{ua}	5.000 N	Fatigue load limit, axial
n _G	5.100 1/min	Limiting speed
n _{gr}	4.100 1/min	Reference speed
	0,347 kg	Weight

Additional information

r _{min}	1 mm	Minimum chamfer dimension
D ₁	72 mm	Bore diameter housing washer
d ₁	95 mm	Lip diameter shaft washer

Mounting dimensions

d _{a min}	85 mm	Minimum diameter shaft shoulder
D _{a max}	80 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum recess radius

Calculation factors

A	0,074	Minimum load factor
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Temperature range

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