



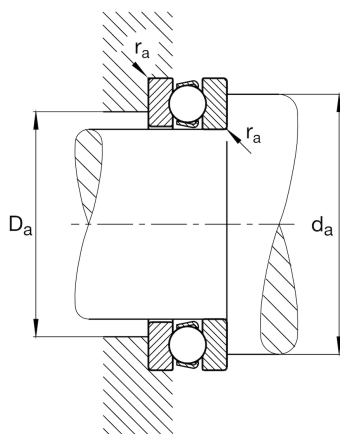
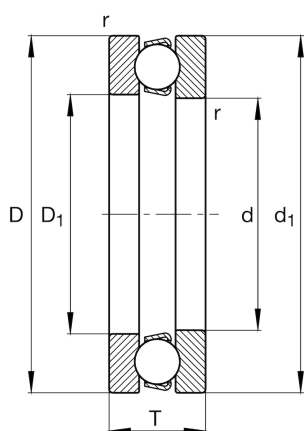
FAG

51118

Axial deep groove ball bearing

Schaeffler ID:
0167148140000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	90 mm	Inner diameter shaft washer
D	120 mm	Outer diameter housing washer
T	22 mm	Height
C _a	45.500 N	Basic dynamic load rating, axial
C _{0a}	140.000 N	Basic static load rating, axial
C _{ua}	6.300 N	Fatigue load limit, axial
n _G	4.300 1/min	Limiting speed
n _{gr}	3.500 1/min	Reference speed
	0,65 kg	Weight

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	92 mm	Inner diameter housing washer
d ₁	120 mm	Outer diameter shaft washer

Mounting dimensions

d _{a min}	108 mm	Minimum diameter shaft shoulder
D _{a max}	102 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum filled radius

Calculation factors

A	0,12	Minimum load factor
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Temperature range

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