



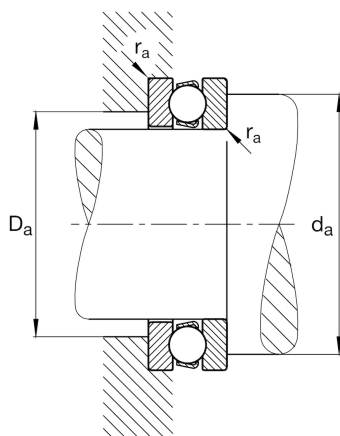
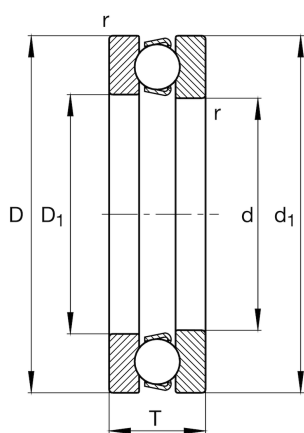
FAG

51102

Axial deep groove ball bearing

Schaeffler ID:
0167146440000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

d	15 mm	Inner diameter shaft washer
D	28 mm	Outer diameter housing washer
T	9 mm	Height
C _a	10.500 N	Basic dynamic load rating, axial
C _{0a}	16.800 N	Basic static load rating, axial
C _{ua}	770 N	Fatigue load limit, axial
n _G	13.100 1/min	Limiting speed
n _{gr}	14.000 1/min	Reference speed
	27 g	Weight

Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
D ₁	16 mm	Inner diameter housing washer
d ₁	28 mm	Outer diameter shaft washer

Mounting dimensions

d _{a min}	23 mm	Minimum diameter shaft shoulder
D _{a max}	20 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum filled radius

Calculation factors

A	0,002	Minimum load factor
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Temperature range

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