

FAG**51205**

Axial deep groove ball bearing

Schaeffler ID:
0167150200000Axial deep groove ball bearing 512, single
direction, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	47 mm	Outside diameter
T	15 mm	Height
C _a	26.500 N	Basic dynamic load rating, axial
C _{0a}	50.000 N	Basic static load rating, axial
C _{ua}	2.280 N	Fatigue load limit, axial
n _G	7.500 1/min	Limiting speed
n _{gr}	9.800 1/min	Reference speed
	0,001 kg	Weight

Additional information

r _{min}	0,6 mm	Minimum chamfer dimension
D ₁	27 mm	Bore diameter housing washer
d ₁	47 mm	Lip diameter shaft washer

Mounting dimensions

d _{a min}	38 mm	Minimum diameter shaft shoulder
D _{a max}	34 mm	Maximum diameter of housing shoulder
r _{a max}	0,6 mm	Maximum recess radius

Calculation factors

A	0,013	Minimum load factor
---	-------	---------------------

Temperature range

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