

**FAG****51305**

Axial deep groove ball bearing

Schaeffler ID:  
0167152760000Axial deep groove ball bearing 513, single  
direction, steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
T	18 mm	Height
C <sub>a</sub>	34.500 N	Basic dynamic load rating, axial
C <sub>0a</sub>	55.000 N	Basic static load rating, axial
C <sub>ua</sub>	2.500 N	Fatigue load limit, axial
n <sub>G</sub>	6.000 1/min	Limiting speed
n <sub>gr</sub>	10.400 1/min	Reference speed
	0,171 kg	Weight

**Additional information**

r <sub>min</sub>	1 mm	Minimum chamfer dimension
D <sub>1</sub>	27 mm	Bore diameter housing washer
d <sub>1</sub>	52 mm	Lip diameter shaft washer

**Mounting dimensions**

d <sub>a min</sub>	41 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	36 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius

**Calculation factors**

A	0,019	Minimum load factor
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**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	150 °C	Operating temperature max.