

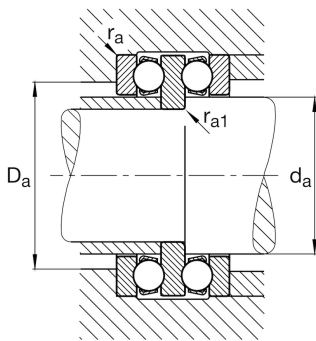
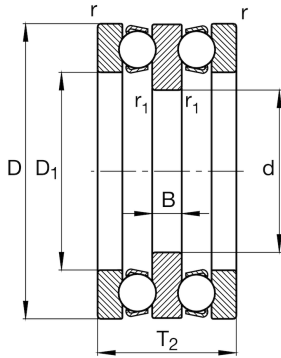
FAG

**52409**

Axial deep groove ball bearing

Schaeffler ID:  
0190070600000Axial deep groove ball bearing 524, double  
direction, steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	35 mm	Bore diameter
D	100 mm	Outside diameter
T <sub>2</sub>	72 mm	Height
C <sub>a</sub>	123,000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	222,000 N	Basic static load rating, axial
C <sub>ua</sub>	10,100 N	Fatigue load limit, axial
n <sub>G</sub>	2,850 1/min	Limiting speed
n <sub>gr</sub>	6,500 1/min	Reference speed
	2.642 kg	Weight

**Dimensions**

D <sub>1</sub>	47 mm	Bore diameter housing washer
B	17 mm	Height shaft washer
r <sub>min</sub>	1.1 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0.6 mm	Minimum chamfer dimension

**Mounting dimensions**

d <sub>a max</sub>	45 mm	Maximum mounting dimension shaft
D <sub>a max</sub>	67 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum recess radius
r <sub>a1 max</sub>	0.6 mm	Maximum recess radius

**Additional information**

A	0.29	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.