

**FAG****52317**

Axial deep groove ball bearing

Axial deep groove ball bearing 523, double direction, steel sheet metal cage

## Technical information



## Your current product variant

Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

## Main Dimensions &amp; Performance Data

d	70 mm	Inner diameter shaft washer
D	150 mm	Outer diameter housing washer
T <sub>2</sub>	87 mm	Height
C <sub>a</sub>	186.000 N	Basic dynamic load rating, axial
C <sub>0a</sub>	420.000 N	Basic static load rating, axial
C <sub>ua</sub>	17.700 N	Fatigue load limit, axial
n <sub>G</sub>	2.260 1/min	Limiting speed
n <sub>gr</sub>	4.150 1/min	Reference speed
m	6,202 kg	Weight

## Mounting dimensions

d <sub>a max</sub>	85 mm	Maximum diameter shaft shoulder
D <sub>a max</sub>	111 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1,5 mm	Maximum filled radius
r <sub>a1 max</sub>	1 mm	Maximum filled radius



### Dimensions

D <sub>1</sub>	88 mm	Inner diameter housing washer
B	19 mm	Height shaft washer
r <sub>min</sub>	1,5 mm	Minimum chamfer dimension
r <sub>1 min</sub>	1 mm	Minimum chamfer dimension






### Temperature range

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

### Calculation factors

A	1,1	Minimum load factor
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### Characteristics

	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed