

**FAG****54206**

## Axial deep groove ball bearing

Axial deep groove ball bearing 542, double direction, with spherical housing washer, 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	25 mm	Inner diameter shaft washer
D	52 mm	Outer diameter housing washer
T <sub>2</sub>	32,6 mm	Height
C <sub>a</sub>	23.900 N	Basic dynamic load rating, axial
C <sub>0a</sub>	46.000 N	Basic static load rating, axial
C <sub>ua</sub>	2.100 N	Fatigue load limit, axial
n <sub>G</sub>	7.300 1/min	Limiting speed
n <sub>gr</sub>	8.200 1/min	Reference speed
≈m	0,259 kg	Weight

## Mounting dimensions

d <sub>a max</sub>	30 mm	Maximum diameter shaft shoulder
D <sub>a max</sub>	42 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	0,6 mm	Maximum filled radius
r <sub>a1 max</sub>	0,3 mm	Maximum filled radius



### Dimensions

D <sub>1</sub>	32 mm	Inner diameter housing washer
B	7 mm	Height shaft washer
r <sub>min</sub>	0,6 mm	Minimum chamfer dimension
r <sub>1 min</sub>	0,3 mm	Minimum chamfer dimension
R	45 mm	Radius spherical housing washer
A	20 mm	Distance of the center point
T <sub>3</sub>	37 mm	Height with seat washer
D <sub>2</sub>	42 mm	Bore diameter seat washer
D <sub>3</sub>	55 mm	Outside diameter seat washer
C	5,5 mm	Height seat washer

### Temperature range

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

### Calculation factors

A	0,014	Minimum load factor
---	-------	---------------------

### Additional information

U206	Seat washer
------	-------------

### Characteristics

	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Static angular error and misalignment