

**FAG****52409**

Axial deep groove ball bearing

Axial deep groove ball bearing 524, 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 & Performance Data

d	35 mm	Inner diameter shaft washer
D	100 mm	Outer diameter housing washer
T ₂	72 mm	Height
C _a	123.000 N	Basic dynamic load rating, axial
C _{0a}	222.000 N	Basic static load rating, axial
C _{ua}	10.100 N	Fatigue load limit, axial
n _G	2.850 1/min	Limiting speed
n _{gr}	6.500 1/min	Reference speed
m	2,642 kg	Weight

Mounting dimensions

d _{a max}	45 mm	Maximum diameter shaft shoulder
D _{a max}	67 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius
r _{a1 max}	0,6 mm	Maximum fillet radius



Dimensions

D ₁	47 mm	Inner diameter housing washer
B	17 mm	Height shaft washer
r _{min}	1,1 mm	Minimum chamfer dimension
r _{1 min}	0,6 mm	Minimum chamfer dimension

Temperature range

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

Calculation factors

A	0,29	Minimum load factor
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Characteristics

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