

**FAG****52215**

Axial deep groove ball bearing

Axial deep groove ball bearing 522, 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	60 mm	Inner diameter shaft washer
D	110 mm	Outer diameter housing washer
T ₂	47 mm	Height
C _a	67,000 N	Basic dynamic load rating, axial
C _{0a}	169,000 N	Basic static load rating, axial
C _{ua}	7,700 N	Fatigue load limit, axial
n _G	3,950 1/min	Limiting speed
n _{gr}	4,450 1/min	Reference speed
≈m	1.493 kg	Weight

Mounting dimensions

d _{a max}	75 mm	Maximum diameter shaft shoulder
D _{a max}	89 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum filled radius
r _{a1 max}	1 mm	Maximum filled radius



Dimensions

D ₁	77 mm	Inner diameter housing washer
B	10 mm	Height shaft washer
r _{min}	1 mm	Minimum chamfer dimension
r _{1 min}	1 mm	Minimum chamfer dimension

Temperature range

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

Calculation factors

A	0.18	Minimum load factor
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Characteristics

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