

**FAG****52310**

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 & Performance Data

d	40 mm	Inner diameter shaft washer
D	95 mm	Outer diameter housing washer
T ₂	58 mm	Height
C _a	82,000 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	3,550 1/min	Limiting speed
n _{gr}	6,100 1/min	Reference speed
≈m	1.774 kg	Weight

Mounting dimensions

d _{a max}	50 mm	Maximum diameter shaft shoulder
D _{a max}	68 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum filled radius
r _{a1 max}	0.6 mm	Maximum filled radius



Dimensions

D ₁	52 mm	Inner diameter housing washer
B	14 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	0.18	Minimum load factor
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Characteristics

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