



FAG

51103 [🔗](#)

Axial deep groove ball bearing

Axial deep groove ball bearing 511, single direction, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

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	17 mm	Inner diameter shaft washer
D	30 mm	Outer diameter housing washer
T	9 mm	Height
C _a	11.300 N	Basic dynamic load rating, axial
C _{0a}	19.600 N	Basic static load rating, axial
C _{ua}	900 N	Fatigue load limit, axial
n _G	12.900 1/min	Limiting speed
n _{gr}	12.500 1/min	Reference speed
m	0,027 kg	Masa

Mounting dimensions

d _{a min}	25 mm	Minimum diameter shaft shoulder
D _{a max}	22 mm	Maximum diameter of housing shoulder
r _{a max}	0,3 mm	Maximum filled radius



Dimensions

r _{min}	0,3 mm	Minimum chamfer dimension
D ₁	18 mm	Inner diameter housing washer
d ₁	30 mm	Outer diameter shaft washer

Temperature range

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

Calculation factors

A	0,002	Minimum load factor
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Właściwości

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Obciążenie osiowe jednokierunkowe
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Smarowanie smarem
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Smarowanie olejem
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Bez uszczelnienia