

**FAG****52318**

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	75 mm	Inner diameter shaft washer
D	155 mm	Outer diameter housing washer
T ₂	88 mm	Height
C _a	193.000 N	Basic dynamic load rating, axial
C _{0a}	455.000 N	Basic static load rating, axial
C _{ua}	18.800 N	Fatigue load limit, axial
n _G	2.240 1/min	Limiting speed
n _{gr}	3.900 1/min	Reference speed
≈m	6,463 kg	Weight

Mounting dimensions

d _{a max}	90 mm	Maximum diameter shaft shoulder
D _{a max}	116 mm	Maximum diameter of housing shoulder
r _{a max}	1,5 mm	Maximum fillet radius
r _{a1 max}	1 mm	Maximum fillet radius



Dimensions

D ₁	93 mm	Inner diameter housing washer
B	19 mm	Height shaft washer
r _{min}	1,5 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	1,2	Minimum load factor
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Characteristics

 Axial load in one direction

 Axial load in two directions

 Grease Lubrication

 Oil Lubrication

 Not sealed