

**FAG****51113**

Axial deep groove ball bearing

Axial deep groove ball bearing 511, single 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 &amp; Performance Data

d	65 mm	Inner diameter shaft washer
D	90 mm	Outer diameter housing washer
T	18 mm	Height
C <sub>a</sub>	38,500 N	Basic dynamic load rating, axial
C <sub>0a</sub>	100,000 N	Basic static load rating, axial
C <sub>ua</sub>	4,550 N	Fatigue load limit, axial
n <sub>G</sub>	5,300 1/min	Limiting speed
n <sub>gr</sub>	4,450 1/min	Reference speed
m	340 g	Weight

## Mounting dimensions

d <sub>a min</sub>	80 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	75 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	1 mm	Maximum fillet radius



### Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	67 mm	Inner diameter housing washer
$d_1$	90 mm	Outer diameter shaft washer





### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Calculation factors

A	0.063	Minimum load factor
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### Characteristics

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