

**FAG****51410**

Axial deep groove ball bearing

Axial deep groove ball bearing 514, single direction, steel sheet metal cage

## Technical information

**Your current product variant**

Cage	JP	Steel sheet metal
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

**Main Dimensions & Performance Data**

d	50 mm	Inner diameter shaft washer
D	110 mm	Outer diameter housing washer
T	43 mm	Height
$C_a$	138.000 N	Basic dynamic load rating, axial
$C_{0a}$	255.000 N	Basic static load rating, axial
$C_{ua}$	11.700 N	Fatigue load limit, axial
$n_G$	2.650 1/min	Limiting speed
$n_{gr}$	6.500 1/min	Reference speed
$m$	1,91 kg	Weight

**Mounting dimensions**

$d_{a \min}$	86 mm	Minimum diameter shaft shoulder
$D_{a \max}$	74 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius



### Dimensions

$r_{min}$	1,5 mm	Minimum chamfer dimension
$D_1$	52 mm	Inner diameter housing washer
$d_1$	110 mm	Outer diameter shaft washer

### Temperature range

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

### Calculation factors

A	0,4	Minimum load factor
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### Characteristics

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