



FAG

## ★ 51412-MP

Axial deep groove ball bearing

Schaeffler ID:  
0388114800000Axial deep groove ball bearing 514...-MP,  
single direction, solid brass cage

★ Preferred product

## Technical information



## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.
	3,51 kg	Weight

## Main Dimensions &amp; Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
T	51 mm	Height
$C_a$	201.000 N	Basic dynamic load rating, axial
$C_{0a}$	395.000 N	Basic static load rating, axial
$C_{ua}$	18.200 N	Fatigue load limit, axial
$n_G$	2.190 1/min	Limiting speed
$n_{gr}$	5.500 1/min	Reference speed

## Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	62 mm	Bore diameter housing washer
$d_1$	130 mm	Lip diameter shaft washer

## Mounting dimensions

$d_{a\min}$	102 mm	Minimum diameter shaft shoulder
$D_{a\max}$	88 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1,5 mm	Maximum recess radius

## Additional information

A	0,87	Minimum load factor
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