



FAG

51203

Axial deep groove ball bearing

Schaeffler ID:  
0167150040000Axial deep groove ball bearing 512, single  
direction, steel sheet metal cage

## Technical information



## Main Dimensions &amp; Performance Data

d	17 mm	Bore diameter
D	35 mm	Outside diameter
T	12 mm	Height
$C_a$	17,200 N	Basic dynamic load rating, axial
$C_{0a}$	27,500 N	Basic static load rating, axial
$C_{ua}$	1,240 N	Fatigue load limit, axial
$n_G$	9,700 1/min	Limiting speed
$n_{gr}$	13,200 1/min	Reference speed
	0.052 kg	Weight

## Dimensions

$r_{min}$	0.6 mm	Minimum chamfer dimension
$D_1$	19 mm	Bore diameter housing washer
$d_1$	35 mm	Lip diameter shaft washer

## Mounting dimensions

$d_{a min}$	28 mm	Minimum diameter shaft shoulder
$D_{a max}$	24 mm	Maximum diameter of housing shoulder
$r_{a max}$	0.6 mm	Maximum recess radius

## Additional information

A	0.004	Minimum load factor
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## Temperature range

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