



FAG

51407

Axial deep groove ball bearing

Schaeffler ID:  
0167154460000Axial deep groove ball bearing 514, single  
direction, steel sheet metal cage

## Technical information



## Main Dimensions &amp; Performance Data

d	35 mm	Bore diameter
D	80 mm	Outside diameter
T	32 mm	Height
$C_a$	76,000 N	Basic dynamic load rating, axial
$C_{0a}$	126,000 N	Basic static load rating, axial
$C_{ua}$	5,700 N	Fatigue load limit, axial
$n_G$	3,600 1/min	Limiting speed
$n_{gr}$	8,500 1/min	Reference speed
	0.739 kg	Weight

## Dimensions

$r_{min}$	1.1 mm	Minimum chamfer dimension
$D_1$	37 mm	Bore diameter housing washer
$d_1$	80 mm	Lip diameter shaft washer

## Mounting dimensions

$d_{a min}$	62 mm	Minimum diameter shaft shoulder
$D_{a max}$	53 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius

## Additional information

A	0.11	Minimum load factor
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## Temperature range

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