



FAG

**51310**

Axial deep groove ball bearing

Schaeffler ID:  
0167153220000Axial deep groove ball bearing 513, single  
direction, steel sheet metal cage

## Technical information

**Main Dimensions & Performance Data**

d	50 mm	Bore diameter
D	95 mm	Outside diameter
T	31 mm	Height
$C_a$	82,000 N	Basic dynamic load rating, axial
$C_{0a}$	169,000 N	Basic static load rating, axial
$C_{ua}$	7,700 N	Fatigue load limit, axial
$n_G$	3,550 1/min	Limiting speed
$n_{gr}$	6,400 1/min	Reference speed
	0.936 kg	Weight

**Dimensions**

$r_{min}$	1.1 mm	Minimum chamfer dimension
$D_1$	52 mm	Bore diameter housing washer
$d_1$	95 mm	Lip diameter shaft washer

**Mounting dimensions**

$d_{a min}$	77 mm	Minimum diameter shaft shoulder
$D_{a max}$	68 mm	Maximum diameter of housing shoulder
$r_{a max}$	1 mm	Maximum recess radius

**Additional information**

A	0.18	Minimum load factor
---	------	---------------------

**Temperature range**

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