



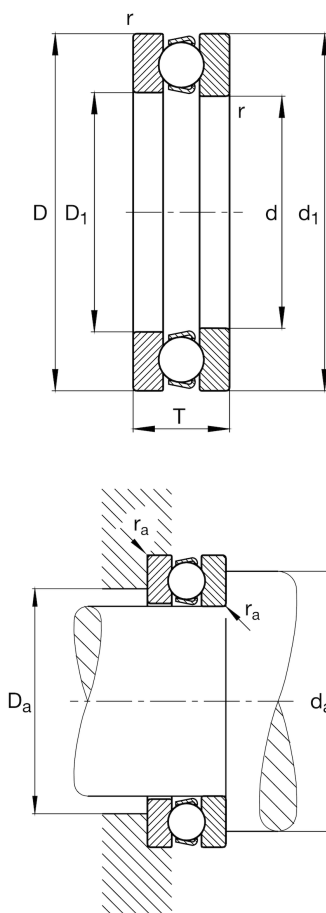
FAG

**51310**

Axial deep groove ball bearing

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

## Technical information

**Dimensions**

$r_{\min}$	1,1 mm	Minimum chamfer dimension
$D_1$	52 mm	Inner diameter housing washer
$d_1$	95 mm	Outer diameter shaft washer
	0,936 kg	Weight

**Main Dimensions & Performance Data**

$d$	50 mm	Inner diameter shaft washer
$D$	95 mm	Outer diameter housing washer
$T$	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

**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 filled radius

**Calculation factors**

$A$	0,18	Minimum load factor
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**Temperature range**

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