

FAG

★ 53309

Axial deep groove ball bearing

Schaeffler ID:  
016715900000Axial deep groove ball bearing 533, single  
direction, with spherical housing washer,  
steel sheet metal cage

★ Preferred product

## Technical information

## Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.
	0,68 kg	Weight

## Main Dimensions &amp; Performance Data

$d$	45 mm	Bore diameter
$D$	85 mm	Outside diameter
$T$	30,1 mm	Height
$C_a$	75.000 N	Basic dynamic load rating, axial
$C_{0a}$	140.000 N	Basic static load rating, axial
$C_{ua}$	6.500 N	Fatigue load limit, axial
$n_G$	3.800 1/min	Limiting speed
$n_{gr}$	6.800 1/min	Reference speed

## Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	47 mm	Bore diameter housing washer
$d_1$	85 mm	Lip diameter shaft washer
$R$	64 mm	Radius spherical housing washer
$A$	25 mm	Distance of the center point
$T_1$	33 mm	Height with seat washer

## Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$D_{a \max}$	65 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum recess radius

## Additional information

$A$	0,12	Minimum load factor
	U309	Seat washer

