

**FAG****53307**

## Axial deep groove ball bearing

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

## Technical information



## Your current product variant

Cage	JP	Steel sheet metal
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°

## Main Dimensions &amp; Performance Data

d	35 mm	Inner diameter shaft washer
D	68 mm	Outer diameter housing washer
T	25,6 mm	Height
$C_a$	50.000 N	Basic dynamic load rating, axial
$C_{0a}$	89.000 N	Basic static load rating, axial
$C_{ua}$	4.050 N	Fatigue load limit, axial
$n_G$	4.850 1/min	Limiting speed
$n_{gr}$	8.200 1/min	Reference speed
$\approx m$	0,376 kg	Weight

## Mounting dimensions

$d_{a \min}$	55 mm	Minimum diameter shaft shoulder
$D_{a \max}$	52 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum filled radius



## Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
$D_1$	37 mm	Inner diameter housing washer
$d_1$	68 mm	Outer diameter shaft washer
R	56 mm	Radius spherical housing washer
A	24 mm	Distance of the center point
$T_1$	28 mm	Height with seat washer
$D_2$	52 mm	Bore diameter seat washer
$D_3$	72 mm	Outside diameter seat washer
C	7,5 mm	Height seat washer

## Temperature range

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

## Calculation factors

A	0,05	Minimum load factor
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## Additional information

U307	Seat washer
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## Characteristics

$F_a$	Axial load in one direction
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Static angular error and misalignment