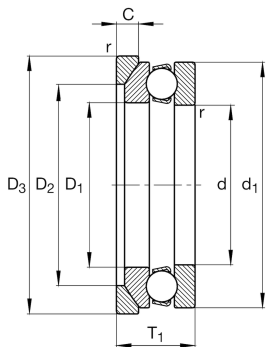


**FAG****53318**

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 & Performance Data

d	90 mm	Inner diameter shaft washer
D	155 mm	Outer diameter housing washer
T	54,6 mm	Height
C_a	193.000 N	Basic dynamic load rating, axial
C_{0a}	455.000 N	Basic static load rating, axial
C_{ua}	18.800 N	Fatigue load limit, axial
n_G	2.240 1/min	Limiting speed
n_{gr}	4.050 1/min	Reference speed
$\approx m$	3,711 kg	Weight

Mounting dimensions

$d_{a \min}$	129 mm	Minimum diameter shaft shoulder
$D_{a \max}$	120 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum filled radius



Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	93 mm	Inner diameter housing washer
d_1	155 mm	Outer diameter shaft washer
R	112 mm	Radius spherical housing washer
A	40 mm	Distance of the center point
T_1	59 mm	Height with seat washer
D_2	120 mm	Bore diameter seat washer
D_3	160 mm	Outside diameter seat washer
C	18 mm	Height seat washer

Temperature range

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

Calculation factors

A	1,2	Minimum load factor
---	-----	---------------------

Additional information

U318 Seat washer

Characteristics

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