



EE 2 TN9

Deep groove ball bearings

Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

$d < 10$ mm, Other bearings

Bearing interfaces

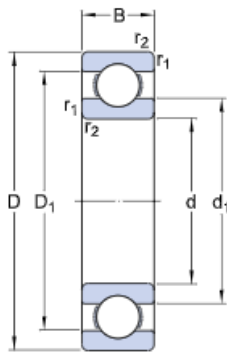
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

Aftermarket only

Yes

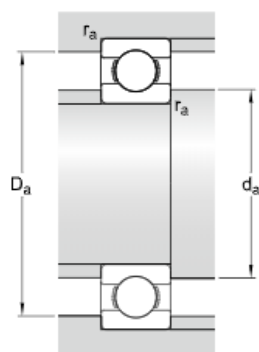


DIMENSIONS

d	0.25 in
D	0.75 in
B	0.2187 in
d_1	≈ 0.3878 in
D_1	≈ 0.6122 in
$r_{1,2}$	min. 0.0157 in

ABUTMENT DIMENSIONS

d_a	min. 0.3386 in
D_a	max. 0.6614 in
r_a	max. 0.0157 in



CALCULATION DATA

Basic dynamic load rating	C	632 lbf
Basic static load rating	C_0	243 lbf
Fatigue load limit	P_u	10 lbf
Reference speed		70000 r/min
Limiting speed		50000 r/min
Calculation factor	k_r	0.025
Calculation factor	f_0	13

MASS

Mass bearing	0.017 lbs
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More information

Product details	Engineering information	Tools
Single row deep groove ball bearings	Principles of rolling bearing selection	Bearing Select
Stainless steel deep groove ball bearings	General bearing knowledge	SimPro Quick
Single row deep groove ball bearings with filling slots	Bearing selection process	Engineering Calculator
Double row deep groove ball bearings	Bearing interfaces	LubeSelect for SKF greases
Bearing data	Seat tolerances for standard conditions	Heater selection tool
Loads	Selecting internal clearance	Rolling bearings mounting and dismounting instructions
Temperature limits	Lubrication	
Permissible speed	Sealing, mounting and dismounting	
Designation system	Bearing failure and how to prevent it	

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