

W 628/7-2RS1

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

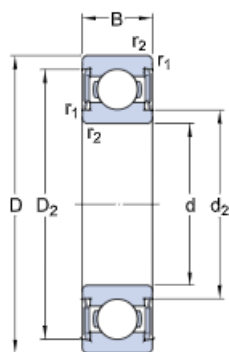
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

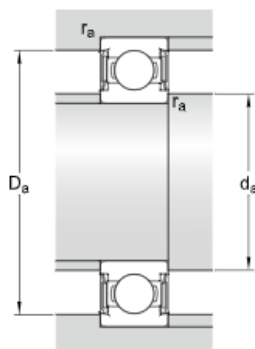
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	0.2756 in
D	0.5512 in
B	0.1969 in
d_2	≈ 0.3346 in
D_2	≈ 0.5 in
$r_{1,2}$	min. 0.0059 in



ABUTMENT DIMENSIONS

d_a	min. 0.3228 in
d_a	max. 0.3307 in
D_a	max. 0.5039 in
r_a	max. 0.0059 in

CALCULATION DATA

Basic dynamic load rating	C	149 lbf
Basic static load rating	C ₀	58 lbf
Fatigue load limit	P _u	2.5 lbf
Limiting speed		28000 r/min
Calculation factor	k _r	0.02
Calculation factor	f ₀	7.2

MASS

Mass bearing	0.0063 lbs
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More information

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