

628/9-2RS1

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

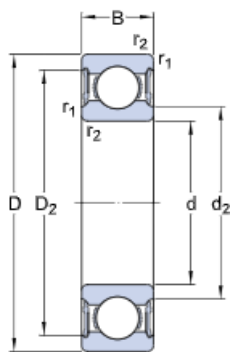
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

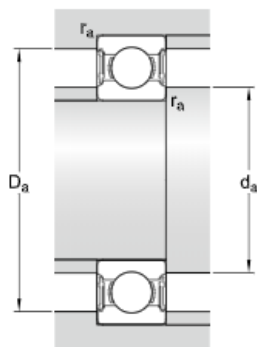
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	0.3543 in
D	0.6693 in
B	0.1969 in
d ₂	≈ 0.4213 in
D ₂	≈ 0.5984 in
r _{1,2}	min. 0.0079 in



ABUTMENT DIMENSIONS

d _a	min. 0.4094 in
d _a	max. 0.4134 in
D _a	max. 0.6142 in
r _a	max. 0.0079 in

CALCULATION DATA

Basic dynamic load rating	C	196 lbf
Basic static load rating	C ₀	76 lbf
Fatigue load limit	P _u	3.1 lbf
Limiting speed		24000 r/min
Calculation factor	k _r	0.015
Calculation factor	f ₀	7.7

MASS

Mass bearing	0.0095 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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