



W 638-2RS1

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

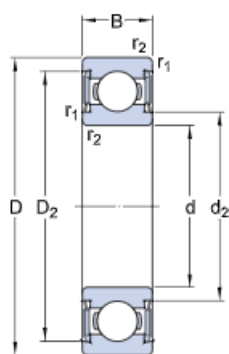
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

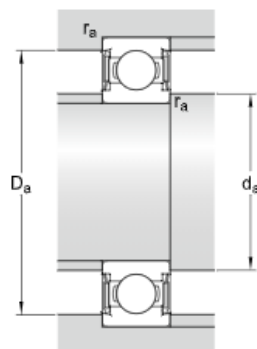
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	0.315 in
D	1.1024 in
B	0.3543 in
d_2	≈ 0.5472 in
D_2	≈ 0.8811 in
$r_{1,2}$	min. 0.0118 in



ABUTMENT DIMENSIONS

d_a	min. 0.3937 in
d_a	max. 0.5433 in
D_a	max. 1.0236 in
r_a	max. 0.0118 in

CALCULATION DATA

Basic dynamic load rating	C	892 lbf
Basic static load rating	C ₀	441 lbf
Fatigue load limit	P _u	19 lbf
Limiting speed		19000 r/min
Calculation factor	k _r	0.035
Calculation factor	f ₀	12.4

MASS

Mass bearing	0.062 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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