



630/8-2RS1

Popular item

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

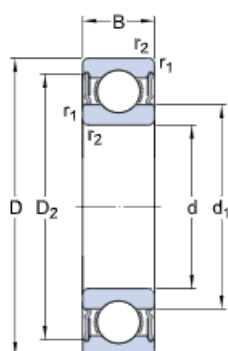
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

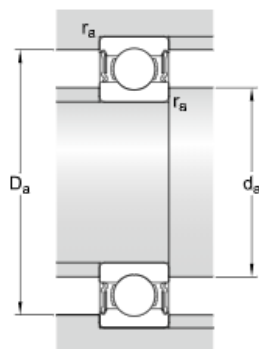
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	0.315 in
D	0.8661 in
B	0.4331 in
d ₁	≈ 0.478 in
D ₂	≈ 0.748 in
r _{1,2}	min. 0.0118 in



ABUTMENT DIMENSIONS

d _a	min. 0.3937 in
d _a	max. 0.4606 in
D _a	max. 0.7874 in
r _a	max. 0.0118 in

CALCULATION DATA

Basic dynamic load rating	C	776 lbf
Basic static load rating	C ₀	308 lbf
Fatigue load limit	P _u	13 lbf
Limiting speed		22000 r/min
Calculation factor	k _r	0.025
Calculation factor	f ₀	12

MASS

Mass bearing	0.035 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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