

619/8-2RS1

Deep groove ball bearings

Bearing data

Tolerances,

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

Radial internal clearance,

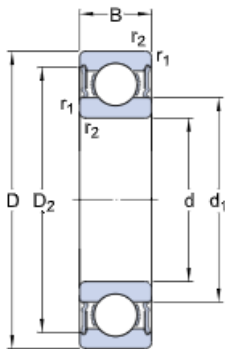
Matched bearing pairs, Stainless steel
d < 10 mm, Other bearings

Bearing interfaces

Seat tolerances for standard conditions,

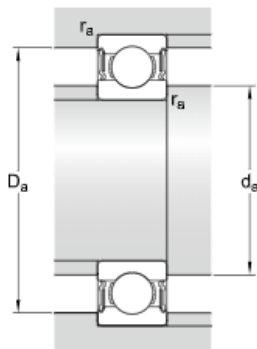
Tolerances and resultant fits

Technical specification



DIMENSIONS

d	8 mm
D	19 mm
B	6 mm
D ₂	≈ 16.66 mm
r _{1,2}	min. 0.3 mm



ABUTMENT DIMENSIONS

d _a	min. 9.5 mm
d _a	max. 9.8 mm
D _a	max. 17 mm
r _a	max. 0.3 mm

CALCULATION DATA

Basic dynamic load rating	C	1.46 kN
Basic static load rating	C_0	0.465 kN
Fatigue load limit	P_u	0.02 kN
Limiting speed		24 000 r/min
Calculation factor	k_r	0.02
Calculation factor	f_0	6.6

MASS

Mass bearing	0.007 kg
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More information

<p>Product details</p> <ul style="list-style-type: none"> 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 	<p>Engineering information</p> <ul style="list-style-type: none"> 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 	<p>Tools</p> <ul style="list-style-type: none"> Bearing Select SimPro Quick Engineering Calculator LubeSelect for SKF greases Heater selection tool Rolling bearings mounting and dismounting instructions
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