

# W 619/5 R-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

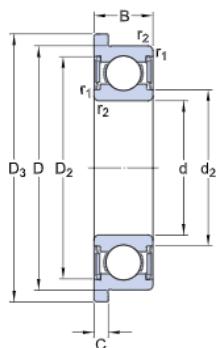
#### Seat tolerances for standard

conditions,

#### Tolerances and resultant fits

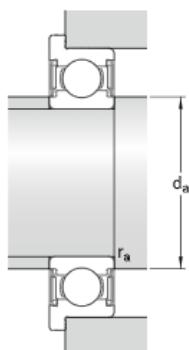
## Technical specification

### DIMENSIONS



d	5 mm
D	13 mm
B	4 mm
d <sub>2</sub>	≈ 6.6 mm
D <sub>2</sub>	≈ 11.2 mm
D <sub>3</sub>	15 mm
C	1 mm
r <sub>1,2</sub>	min. 0.2 mm

### ABUTMENT DIMENSIONS



d <sub>a</sub>	min. 6.3 mm
d <sub>a</sub>	max. 6.5 mm
r <sub>a</sub>	max. 0.2 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	0.761 kN
Basic static load rating	$C_0$	0.335 kN
Fatigue load limit	$P_u$	0.014 kN
Limiting speed		32000 r/min
Calculation factor	$k_r$	0.025
Calculation factor	$f_0$	10.5

## MASS

Mass bearing	0.0026 kg
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## More information

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

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