



## W 639/2 R-2Z

### Deep groove ball bearings

#### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

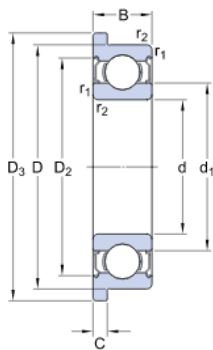
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

### Technical specification

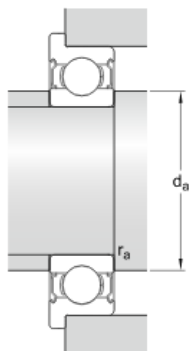


#### DIMENSIONS

d	2 mm
D	6 mm
B	3 mm
d <sub>1</sub>	≈ 3 mm
D <sub>2</sub>	≈ 5.4 mm
D <sub>3</sub>	7.5 mm
C	0.8 mm
r <sub>1,2</sub>	min. 0.15 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 2.9 mm
d <sub>a</sub>	max. 2.9 mm
r <sub>a</sub>	max. 0.15 mm



## CALCULATION DATA

Basic dynamic load rating	C	0.19 kN
Basic static load rating	$C_0$	0.051 kN
Fatigue load limit	$P_u$	0.002 kN
Reference speed		180000 r/min
Limiting speed		90000 r/min
Calculation factor	$k_T$	0.025
Calculation factor	$f_0$	6

## MASS

Mass bearing		0.000408 kg
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More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
<a href="#">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</a>	<a href="#">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</a>	<a href="#">Principles of rolling bearing selection General bearing knowledge</a>	<a href="#">Principles of rolling bearing selection General bearing knowledge</a>	<a href="#">Bearing Select</a>	<a href="#">Bearing Select</a>
		<a href="#">Bearing selection process</a>	<a href="#">Bearing selection process</a>	<a href="#">SimPro Quick</a>	<a href="#">SimPro Quick</a>
		<a href="#">Bearing interfaces</a>	<a href="#">Bearing interfaces</a>	<a href="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
		<a href="#">Seat tolerances for standard condition</a>	<a href="#">Seat tolerances for standard condition</a>	<a href="#">LubeSelect for SKF greases</a>	<a href="#">LubeSelect for SKF greases</a>
		<a href="#">Selecting internal clearance</a>	<a href="#">Selecting internal clearance</a>	<a href="#">Heater selection tool</a>	<a href="#">Heater selection tool</a>
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<a href="#">Permissible speed</a>	<a href="#">Permissible speed</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</a>		
<a href="#">Designation system</a>	<a href="#">Designation system</a>				

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