

D/W R1-4-2Z

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

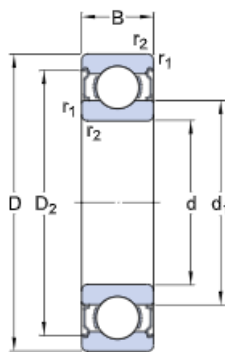
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

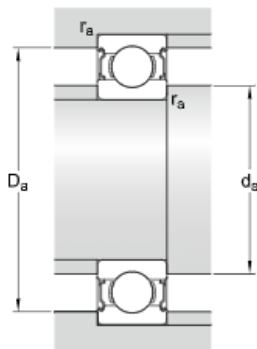
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	1.984 mm
D	6.35 mm
B	3.571 mm
d_1	≈ 3.92 mm
D_2	≈ 5.9 mm
$r_{1,2}$	min. 0.1 mm



ABUTMENT DIMENSIONS

d_a	min. 2.8 mm
d_a	max. 3.8 mm
D_a	max. 6 mm
r_a	max. 0.1 mm

CALCULATION DATA

Basic dynamic load rating	C	0.163 kN
Basic static load rating	C_0	0.048 kN
Fatigue load limit	P_u	0.002 kN
Reference speed		170000 r/min
Limiting speed		85000 r/min
Calculation factor	k_r	0.025
Calculation factor	f_0	7

MASS

Mass bearing		0.000511 kg
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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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