

D/W R1 R

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

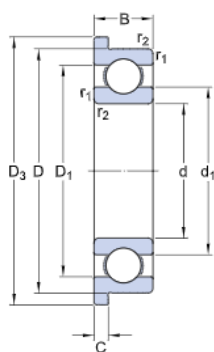
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

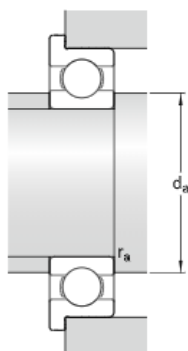


DIMENSIONS

d	1.397 mm
D	4.762 mm
B	1.984 mm
d ₁	≈ 2.33 mm
D ₁	≈ 3.8 mm
D ₃	5.944 mm
C	0.584 mm
r _{1,2}	min. 0.1 mm

ABUTMENT DIMENSIONS

d _a	min. 2 mm
r _a	max. 0.1 mm



CALCULATION DATA

Basic dynamic load rating	C	0.133 kN
Basic static load rating	C_0	0.034 kN
Fatigue load limit	P_u	0.001 kN
Reference speed		200000 r/min
Limiting speed		130000 r/min
Calculation factor	k_r	0.03
Calculation factor	f_0	5.7

MASS

Mass bearing	0.0002 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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