

W 627/4 R-2Z

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

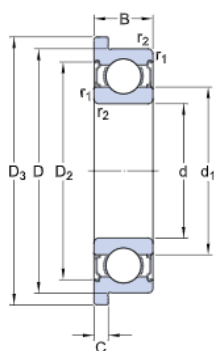
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

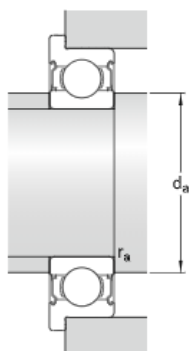


DIMENSIONS

d	4 mm
D	7 mm
B	2.5 mm
d ₁	≈ 4.8 mm
D ₂	≈ 6.5 mm
D ₃	8.2 mm
C	0.6 mm
r _{1,2}	min. 0.1 mm

ABUTMENT DIMENSIONS

d _a	min. 4.6 mm
d _a	max. 4.7 mm
r _a	max. 0.1 mm



CALCULATION DATA

Basic dynamic load rating	C	0.143 kN
Basic static load rating	C_0	0.053 kN
Fatigue load limit	P_u	0.002 kN
Reference speed		150000 r/min
Limiting speed		75000 r/min
Calculation factor	k_r	0.015
Calculation factor	f_0	7.6

MASS

Mass bearing		0.000406 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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