



W 625-2Z

Popular item

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

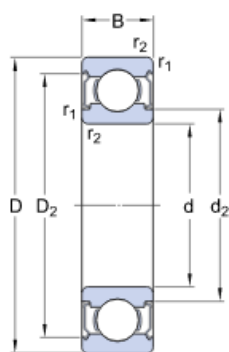
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

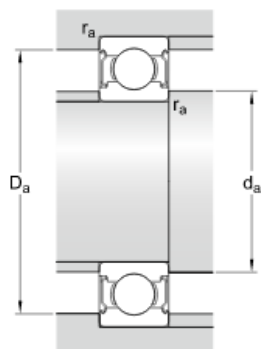
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	5 mm
D	16 mm
B	5 mm
d ₂	≈ 7.5 mm
D ₂	≈ 13.4 mm
r _{1,2}	min. 0.3 mm



ABUTMENT DIMENSIONS

d _a	min. 7 mm
d _a	max. 7.4 mm
D _a	max. 14 mm
r _a	max. 0.3 mm

CALCULATION DATA

Basic dynamic load rating	C	1.43 kN
Basic static load rating	C_0	0.63 kN
Fatigue load limit	P_u	0.027 kN
Reference speed		100000 r/min
Limiting speed		50000 r/min
Calculation factor	k_T	0.03
Calculation factor	f_0	11.8

MASS

Mass bearing		0.0049 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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