



W 63802 R

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

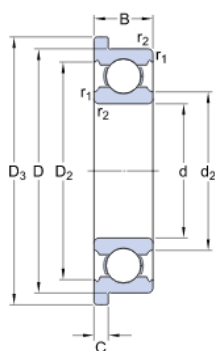
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

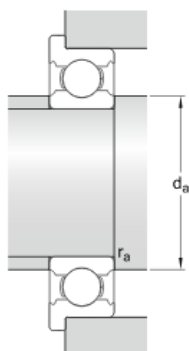


DIMENSIONS

d	15 mm
D	24 mm
B	7 mm
d ₂	≈ 16.8 mm
D ₂	≈ 22.15 mm
D ₃	26 mm
C	1.5 mm
r _{1,2}	min. 0.3 mm

ABUTMENT DIMENSIONS

d _a	min. 17 mm
r _a	max. 0.3 mm



CALCULATION DATA

Basic dynamic load rating	C	1.65 kN
Basic static load rating	C ₀	1.08 kN
Fatigue load limit	P _u	0.048 kN
Reference speed		60000 r/min
Limiting speed		38000 r/min
Calculation factor	k _r	0.02
Calculation factor	f ₀	13.8

MASS

Mass bearing	0.01 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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