

W 618/0.6

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

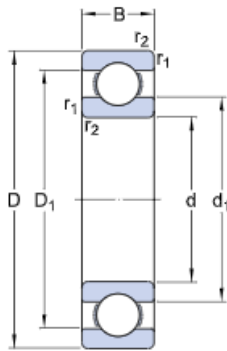
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

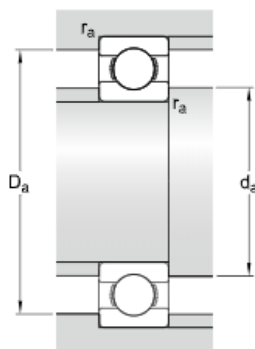
[Tolerances and resultant fits](#)

Technical specification



DIMENSIONS

d	0.6 mm
D	2.5 mm
B	1 mm
d ₁	≈ 1.15 mm
D ₁	≈ 1.95 mm
r _{1,2}	min. 0.05 mm



ABUTMENT DIMENSIONS

d _a	min. 1 mm
D _a	max. 2.1 mm
r _a	max. 0.05 mm

CALCULATION DATA

Basic dynamic load rating	C	0.034 kN
Basic static load rating	C ₀	0.007 kN
Fatigue load limit	P _u	0 kN
Reference speed		260000 r/min
Limiting speed		160000 r/min
Calculation factor	k _r	0.02
Calculation factor	f ₀	5.7

MASS

Mass bearing	0.00002 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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