



W 618/9 R

Deep groove ball bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

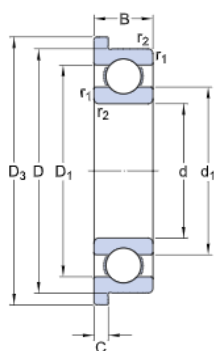
d < 10 mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

Technical specification

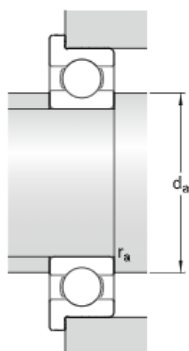


DIMENSIONS

d	0.3543 in
D	0.6693 in
B	0.1575 in
d ₁	≈ 0.4528 in
D ₁	≈ 0.5709 in
D ₃	0.748 in
C	0.0394 in
r _{1,2}	min. 0.0079 in

ABUTMENT DIMENSIONS

d _a	min. 0.4173 in
r _a	max. 0.0079 in



CALCULATION DATA

Basic dynamic load rating	C	171 lbf
Basic static load rating	C ₀	75 lbf
Fatigue load limit	P _u	3.1 lbf
Reference speed		85000 r/min
Limiting speed		53000 r/min
Calculation factor	k _r	0.02
Calculation factor	f ₀	7.7

MASS

Mass bearing	0.0084 lbs
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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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