

W 627/5-2Z

Deep groove ball bearings

Bearing data

Tolerances,

Normal (metric), P6, P5, Normal (inch), Radial internal clearance,

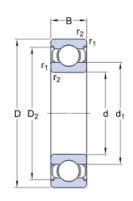
 $\label{eq:matched_pairs} \begin{tabular}{ll} Matched bearing pairs, Stainless steel \\ d < 10 mm, Other bearings \end{tabular}$

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fits

Technical specification

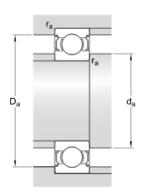


DIMENSIONS

d	5 mm
D	8 mm
В	2.5 mm
d_1	≈ 5.8 mm
d_2	≈ 5.8 mm
D_2	≈ 7.5 mm
r _{1,2}	min. 0.1 mm

ABUTMENT DIMENSIONS







CALCULATION DATA

Basic dynamic load rating	С	0.121 kN
Basic static load rating	C_0	0.045 kN
Fatigue load limit	P_{u}	0.002 kN
Reference speed		140000 r/min
Limiting speed		70000 r/min
Calculation factor	k _r	0.015
Calculation factor	f_0	7.8

MASS





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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