

## W 630/2.5 R-2Z

### Deep groove ball bearings

#### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

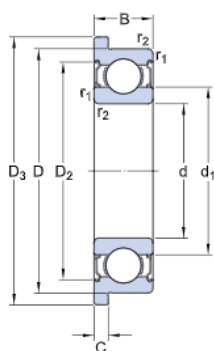
d < 10 mm, Other bearings

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

### Technical specification

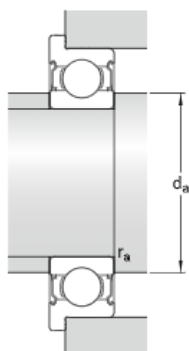


#### DIMENSIONS

|                  |              |
|------------------|--------------|
| d                | 2.5 mm       |
| D                | 8 mm         |
| B                | 4 mm         |
| d <sub>1</sub>   | ≈ 4.1 mm     |
| D <sub>2</sub>   | ≈ 7.04 mm    |
| D <sub>3</sub>   | 9.5 mm       |
| C                | 0.9 mm       |
| r <sub>1,2</sub> | min. 0.15 mm |

#### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | min. 3.7 mm  |
| d <sub>a</sub> | max. 4 mm    |
| r <sub>a</sub> | max. 0.15 mm |



## CALCULATION DATA

|                           |       |              |
|---------------------------|-------|--------------|
| Basic dynamic load rating | $C$   | 0.312 kN     |
| Basic static load rating  | $C_0$ | 0.088 kN     |
| Fatigue load limit        | $P_u$ | 0.004 kN     |
| Reference speed           |       | 160000 r/min |
| Limiting speed            |       | 80000 r/min  |
| Calculation factor        | $k_r$ | 0.03         |
| Calculation factor        | $f_0$ | 5.9          |

## MASS

|              |          |
|--------------|----------|
| Mass bearing | 0.001 kg |
|--------------|----------|

## 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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