



# 6410 NR

## Deep groove ball bearings

### Bearing data

#### Tolerances,

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

#### Radial internal clearance,

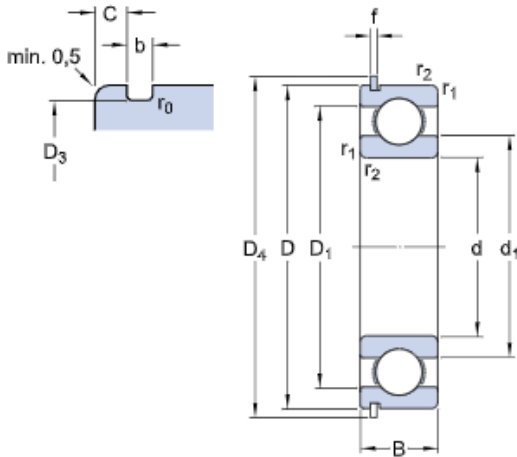
Matched bearing pairs, Stainless steel  
 $d < 10$  mm, Other bearings

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fits

## Technical specification

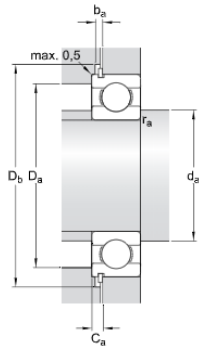


## DIMENSIONS

|           |             |
|-----------|-------------|
| d         | 50 mm       |
| D         | 130 mm      |
| B         | 31 mm       |
| $d_1$     | ≈ 75.46 mm  |
| $D_1$     | ≈ 104.25 mm |
| $D_3$     | 125.22 mm   |
| $D_4$     | 139.7 mm    |
| b         | 3.1 mm      |
| C         | 4.06 mm     |
| f         | 2.82 mm     |
| $r_0$     | max. 0.6 mm |
| $r_{1,2}$ | min. 2.1 mm |

## ABUTMENT DIMENSIONS

|       |              |
|-------|--------------|
| $d_a$ | min. 64 mm   |
| $D_a$ | max. 116 mm  |
| $D_b$ | min. 141 mm  |
| $b_a$ | min. 3.5 mm  |
| $C_a$ | max. 6.88 mm |

 $r_a$ 

max. 2 mm

## CALCULATION DATA

|                           |       |              |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C     | 87.1 kN      |
| Basic static load rating  | $C_0$ | 52 kN        |
| Fatigue load limit        | $P_u$ | 2.2 kN       |
| Reference speed           |       | 12 000 r/min |
| Limiting speed            |       | 7 500 r/min  |
| Calculation factor        | $k_r$ | 0.035        |
| Calculation factor        | $f_0$ | 12           |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 1.98 kg |
|--------------|---------|

## INCLUDED PRODUCTS

|           |        |
|-----------|--------|
| Snap ring | SP 130 |
|-----------|--------|

## More information

| Product details   | Engineering information                                 | Tools  |
|---|---|--|
| <a href="#">Single row deep groove ball bearings</a>                    | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Bearing Select</a>   |
| <a href="#">Stainless steel deep groove ball bearings</a>               | <a href="#">General bearing knowledge</a>               | <a href="#">SimPro Quick</a>   |
| <a href="#">Single row deep groove ball bearings with filling slots</a> | <a href="#">Bearing selection process</a>               | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Double row deep groove ball bearings</a>                    | <a href="#">Bearing interfaces</a>                      | <a href="#">LubeSelect for SKF greases</a>                             |
| <a href="#">Bearing data</a>  | <a href="#">Seat tolerances for standard conditions</a> | <a href="#">Heater selection tool</a>                                  |
| <a href="#">Loads</a>   | <a href="#">Selecting internal clearance</a>            | <a href="#">Rolling bearings mounting and dismounting instructions</a> |
| <a href="#">Temperature limits</a>                                      | <a href="#">Lubrication</a>                             |  |
| <a href="#">Permissible speed</a>                                       | <a href="#">Sealing, mounting and dismounting</a>       |  |
| <a href="#">Designation system</a>                                      | <a href="#">Bearing failure and how to prevent it</a>   |  |

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