



# 6201-2ZNR

SKF Explorer

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

Matched bearing pairs, Stainless steel

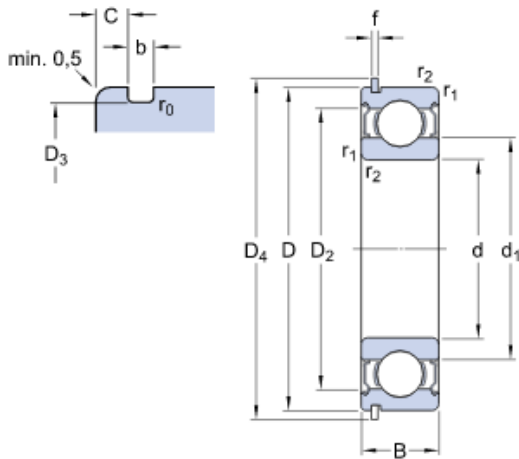
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

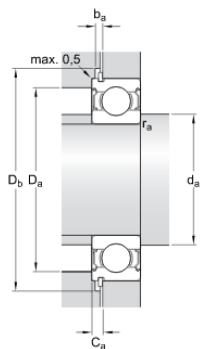


## DIMENSIONS

|           |             |
|-----------|-------------|
| $d$       | 12 mm       |
| $D$       | 32 mm       |
| $B$       | 10 mm       |
| $d_1$     | ≈ 18.45 mm  |
| $D_2$     | ≈ 27.34 mm  |
| $D_3$     | 30.15 mm    |
| $D_4$     | 36.7 mm     |
| $b$       | 1.35 mm     |
| $C$       | 2.06 mm     |
| $f$       | 1.12 mm     |
| $r_0$     | max. 0.4 mm |
| $r_{1,2}$ | min. 0.6 mm |

## ABUTMENT DIMENSIONS

|       |              |
|-------|--------------|
| $d_a$ | min. 16.2 mm |
| $d_a$ | max. 18.4 mm |
| $D_a$ | max. 27.8 mm |
| $D_b$ | min. 38 mm   |
| $b_a$ | min. 1.5 mm  |



|       |              |
|-------|--------------|
| $C_a$ | max. 3.18 mm |
| $r_a$ | max. 0.6 mm  |

CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C     | 7.28 kN     |
| Basic static load rating  | $C_0$ | 3.1 kN      |
| Fatigue load limit        | $P_u$ | 0.132 kN    |
| Reference speed           |       | 50000 r/min |
| Limiting speed            |       | 26000 r/min |
| Calculation factor        | $k_r$ | 0.025       |
| Calculation factor        | $f_0$ | 12          |

MASS

|              |          |
|--------------|----------|
| Mass bearing | 0.037 kg |
|--------------|----------|

INCLUDED PRODUCTS

|           |       |
|-----------|-------|
| Snap ring | SP 32 |
|-----------|-------|

More information

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

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