



6212 NR

SKF Explorer

Deep groove ball bearings

Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

Matched bearing pairs, Stainless steel

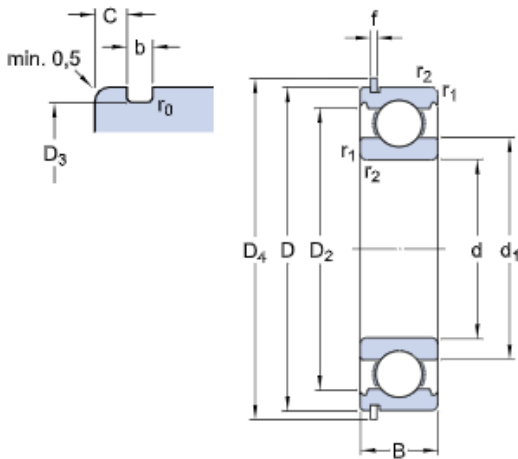
$d < 10$ mm, Other bearings

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

Technical specification

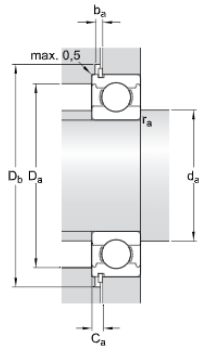


DIMENSIONS

| | |
|-----------|-------------|
| d | 60 mm |
| D | 110 mm |
| B | 22 mm |
| d_1 | ≈ 75.5 mm |
| D_2 | ≈ 98 mm |
| D_3 | 106.81 mm |
| D_4 | 116.6 mm |
| b | 2.7 mm |
| C | 3.28 mm |
| f | 2.46 mm |
| r_0 | max. 0.6 mm |
| $r_{1,2}$ | min. 1.5 mm |

ABUTMENT DIMENSIONS

| | |
|-------|--------------|
| d_a | min. 69 mm |
| D_a | max. 101 mm |
| D_b | min. 118 mm |
| b_a | min. 3 mm |
| C_a | max. 5.74 mm |

 r_a

max. 1.5 mm

CALCULATION DATA

| | | |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C | 55.3 kN |
| Basic static load rating | C_0 | 36 kN |
| Fatigue load limit | P_u | 1.53 kN |
| Reference speed | | 13 000 r/min |
| Limiting speed | | 8 000 r/min |
| Calculation factor | k_r | 0.025 |
| Calculation factor | f_0 | 14.3 |

MASS

| | |
|--------------|--------|
| Mass bearing | 0.8 kg |
|--------------|--------|

INCLUDED PRODUCTS

| | |
|-----------|--------|
| Snap ring | SP 110 |
|-----------|--------|

More information

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

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