



33012

Popular item
SKF Explorer

Tapered roller bearings, single row

Bearing data

[Tolerances,](#)

Normal and CL7C, CLN, Normal and CL, deviating width

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

Dimension series

2CE



DIMENSIONS

| | |
|------------------|-------------|
| d | 60 mm |
| D | 95 mm |
| T | 27 mm |
| d ₁ | ≈ 77.2 mm |
| B | 27 mm |
| C | 21 mm |
| r _{1,2} | min. 1.5 mm |
| r _{3,4} | min. 1.5 mm |
| a | 19.91 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|------------|
| d _a | max. 67 mm |
| d _b | min. 69 mm |
| D _a | min. 85 mm |
| D _a | max. 87 mm |



| | |
|-------|-------------|
| D_b | min. 90 mm |
| C_a | min. 5 mm |
| C_b | min. 6 mm |
| r_a | max. 1.5 mm |
| r_b | max. 1.5 mm |

CALCULATION DATA

| | | |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C | 113 kN |
| Basic static load rating | C_0 | 143 kN |
| Fatigue load limit | P_u | 16 kN |
| Reference speed | | 5 300 r/min |
| Limiting speed | | 6 700 r/min |
| Calculation factor | e | 0.33 |
| Calculation factor | Y | 1.8 |
| Calculation factor | Y_0 | 1 |

MASS

| | |
|--------------|--------|
| Mass bearing | 0.7 kg |
|--------------|--------|

More information

| Product details | Engineering information | Tools |
|---------------------------------------|---|--|
| Designs and variants | Principles of rolling bearing selection | SimPro Quick |
| Bearing data | General bearing knowledge | Bearing Select |
| Loads | Bearing selection process | Engineering Calculator |
| Temperature limits | Bearing failure and how to prevent it | LubeSelect for SKF greases |
| Permissible speed | | Heater Selection Tool |
| Design considerations | | Oil Injection Method Program |
| Bearing designations | | skf.com/mount |
| Designation system | | |

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