



33018

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 | 90 mm |
| D | 140 mm |
| T | 39 mm |
| d ₁ | ≈ 114 mm |
| B | 39 mm |
| C | 32.5 mm |
| r _{1,2} | min. 2 mm |
| r _{3,4} | min. 1.5 mm |
| a | 27.389 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| d _a | max. 101 mm |
| d _b | min. 101 mm |
| D _a | min. 127 mm |
| D _a | max. 131 mm |



| | |
|-------|-------------|
| D_b | min. 135 mm |
| C_a | min. 7 mm |
| C_b | min. 6.5 mm |
| r_a | max. 2 mm |
| r_b | max. 1.5 mm |

CALCULATION DATA

| | | |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C | 266 kN |
| Basic static load rating | C_0 | 355 kN |
| Fatigue load limit | P_u | 39 kN |
| Reference speed | | 3 600 r/min |
| Limiting speed | | 4 500 r/min |
| Calculation factor | e | 0.27 |
| Calculation factor | Y | 2.2 |
| Calculation factor | Y_0 | 1.3 |

MASS

| | |
|--------------|--------|
| Mass bearing | 2.2 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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