



# LM 48548 A/510

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

LM 48500



### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 34.925 mm   |
| D                | 65.088 mm   |
| T                | 18.034 mm   |
| d <sub>1</sub>   | ≈ 50 mm     |
| B                | 18.288 mm   |
| C                | 13.97 mm    |
| r <sub>1,2</sub> | min. 0.8 mm |
| r <sub>3,4</sub> | min. 1.3 mm |
| a                | 14.025 mm   |

### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | max. 42 mm   |
| d <sub>b</sub> | min. 41.5 mm |
| D <sub>a</sub> | min. 57 mm   |
| D <sub>a</sub> | max. 58.5 mm |



|       |             |
|-------|-------------|
| $D_b$ | min. 61 mm  |
| $C_a$ | min. 3 mm   |
| $C_b$ | min. 4 mm   |
| $r_a$ | max. 0.8 mm |
| $r_b$ | max. 1.3 mm |

## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C     | 58 kN       |
| Basic static load rating  | $C_0$ | 57 kN       |
| Fatigue load limit        | $P_u$ | 6.2 kN      |
| Reference speed           |       | 8500 r/min  |
| Limiting speed            |       | 10000 r/min |
| Calculation factor        | e     | 0.37        |
| Calculation factor        | Y     | 1.6         |
| Calculation factor        | $Y_0$ | 0.9         |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 0.26 kg |
|--------------|---------|

More information

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

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