



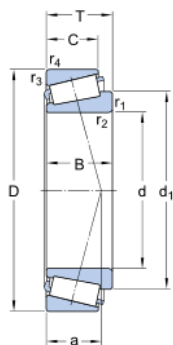
33217

Tapered roller bearings, single row

## Technical Specification

Dimension series

3EE

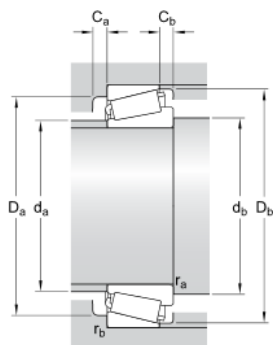


### DIMENSIONS

|                  |            |
|------------------|------------|
| d                | 85mm       |
| D                | 150mm      |
| T                | 49mm       |
| d <sub>1</sub>   | "H117.95mm |
| B                | 49mm       |
| C                | 37mm       |
| r <sub>1,2</sub> | min.2.5mm  |
| r <sub>3,4</sub> | min.2mm    |
| a                | 36.72mm    |

### ABUTMENT DIMENSIONS

|                |           |
|----------------|-----------|
| d <sub>a</sub> | max.96mm  |
| d <sub>b</sub> | min.97mm  |
| D <sub>a</sub> | min.128mm |
| D <sub>a</sub> | max.140mm |



|       |           |
|-------|-----------|
| $D_b$ | min.144mm |
| $C_a$ | min.7mm   |
| $C_b$ | min.12mm  |
| $r_a$ | max.2.5mm |
| $r_b$ | max.2mm   |

## CALCULATION DATA

|                           |           |
|---------------------------|-----------|
| Basic dynamic load rating | 353kN     |
| Basic static load rating  | 430kN     |
| Fatigue load limit        | 48kN      |
| Reference speed           | 3200r/min |
| Limiting speed            | 4300r/min |
| Calculation factor        | 0.43      |
| Calculation factor        | 1.4       |
| Calculation factor        | 0.8       |

## MASS

|              |        |
|--------------|--------|
| Mass bearing | 3.57kg |
|--------------|--------|

## More information

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

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