



# 33213

Popular item  
SKF Explorer

## Tapered roller bearings, single row

### Bearing data

[Tolerances,](#)

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

### Bearing interfaces

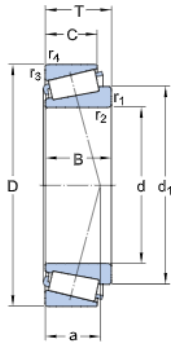
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

Dimension series

3EE

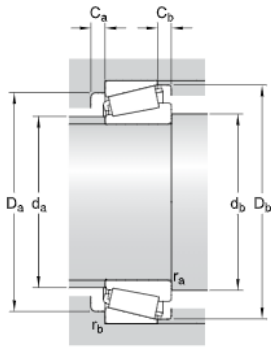


### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 65 mm       |
| D                | 120 mm      |
| T                | 41 mm       |
| d <sub>1</sub>   | ≈ 92.55 mm  |
| B                | 41 mm       |
| C                | 32 mm       |
| r <sub>1,2</sub> | min. 2 mm   |
| r <sub>3,4</sub> | min. 1.5 mm |
| a                | 29.241 mm   |

### ABUTMENT DIMENSIONS

|                |               |
|----------------|---------------|
| d <sub>a</sub> | max. 75 mm    |
| d <sub>b</sub> | min. 75.5 mm  |
| D <sub>a</sub> | min. 102 mm   |
| D <sub>a</sub> | max. 111.5 mm |



|       |             |
|-------|-------------|
| $D_b$ | min. 115 mm |
| $C_a$ | min. 6 mm   |
| $C_b$ | min. 9 mm   |
| $r_a$ | max. 2 mm   |
| $r_b$ | max. 1.5 mm |

## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | $C$   | 239 kN      |
| Basic static load rating  | $C_0$ | 270 kN      |
| Fatigue load limit        | $P_u$ | 30.5 kN     |
| Reference speed           |       | 4 000 r/min |
| Limiting speed            |       | 5 300 r/min |
| Calculation factor        | $e$   | 0.4         |
| Calculation factor        | $Y$   | 1.5         |
| Calculation factor        | $Y_0$ | 0.8         |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 1.98 kg |
|--------------|---------|

## 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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