

# 33207

- Popular item  
- SKF Explorer

## Tapered roller bearings, single row

### Bearing data

[Tolerances,](#)

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

### Bearing interfaces

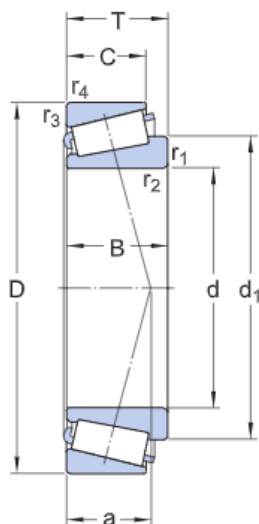
[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

Dimension series

2DE

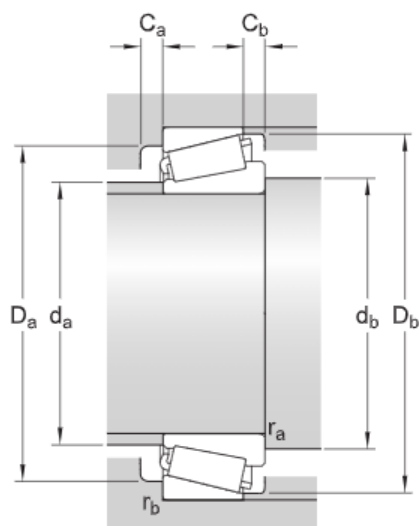


### DIMENSIONS

|      |            |                              |
|------|------------|------------------------------|
| d    | 35 mm      | Bore diameter                |
| D    | 72 mm      | Outside diameter             |
| T    | 28 mm      | Total bearing width          |
| d1   | ≈53.45 mm  | Inner ring shoulder diameter |
| B    | 28 mm      | Width inner ring             |
| C    | 22 mm      | Width outer ring             |
| r1,2 | min.1.5 mm | Corner radius inner ring     |
| r3,4 | min.1.5 mm | Corner radius outer ring     |
| a    | 18.084 mm  | Distance pressure point      |

### ABUTMENT DIMENSIONS

|    |           |                         |
|----|-----------|-------------------------|
| da | max.43 mm | Abutment diameter shaft |
|    | min.43.5  | Abutment                |



|    |                |                                                                                        |
|----|----------------|----------------------------------------------------------------------------------------|
| db | mm             | diameter shaft                                                                         |
| Da | min.61<br>mm   | Abutment<br>diameter housing                                                           |
| Da | max.64.5<br>mm | Abutment<br>diameter housing                                                           |
| Db | min.68<br>mm   | Abutment<br>diameter housing                                                           |
| Ca | min.5<br>mm    | Abutment housing - axial space at the large<br>side face/ both sides of the outer ring |
| Cb | min.6<br>mm    | Abutment housing - axial space at the small<br>side face/ both sides of the outer ring |
| ra | max.1.5<br>mm  | Fillet<br>radius                                                                       |
| rb | max.1.5<br>mm  | Fillet<br>radius                                                                       |

## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 104 kN      |
| Basic static load rating  | C <sub>0</sub> | 106 kN      |
| Fatigue load limit        | P <sub>u</sub> | 11.8 kN     |
| Reference speed           |                | 7 000 r/min |
| Limiting speed            |                | 9 500 r/min |
| Calculation factor        | e              | 0.35        |
| Calculation factor        | Y              | 1.7         |
| Calculation factor        | Y <sub>0</sub> | 0.9         |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 0.53 kg |
|--------------|---------|