



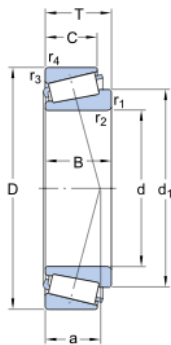
## 32320 Tapered roller bearings, single row

- Popular item

### Tapered roller bearings, single row

## Technical specification

2GD

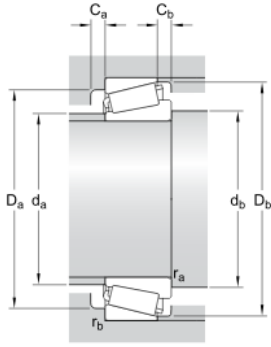


### DIMENSIONS

|           |             |                              |
|-----------|-------------|------------------------------|
| d         | 100 mm      | Bore diameter                |
| D         | 215 mm      | Outside diameter             |
| T         | 77.5 mm     | Total bearing width          |
| $d_1$     | ≈ 152.05 mm | Inner ring shoulder diameter |
| B         | 73 mm       | Width inner ring             |
| C         | 60 mm       | Width outer ring             |
| $r_{1,2}$ | min. 4 mm   | Corner radius inner ring     |
| $r_{3,4}$ | min. 3 mm   | Corner radius outer ring     |
| a         | 51.127 mm   | Distance pressure point      |

### ABUTMENT DIMENSIONS

|       |             |                           |
|-------|-------------|---------------------------|
| $d_a$ | max. 123 mm | Abutment diameter shaft   |
| $d_b$ | min. 116 mm | Abutment diameter shaft   |
| $D_a$ | min. 177    | Abutment diameter housing |



|       |              |   |
|-------|--------------|---|
|       | mm           |   |
| $D_a$ | max. 202 mm  | Abutment diameter housing   |
| $D_b$ | min. 200 mm  | Abutment diameter housing   |
| $C_a$ | min. 8 mm    | Abutment housing - axial space at the large side face/ both sides of the outer ring |
| $C_b$ | min. 17.5 mm | Abutment housing - axial space at the small side face/ both sides of the outer ring |
| $r_a$ | max. 4 mm    | Fillet radius   |
| $r_b$ | max. 3 mm    | Fillet radius   |

CALCULATION DATA

|       |            |                           |
|-------|------------|---------------------------|
| C     | 617 kN     | Basic dynamic load rating |
| $C_0$ | 780 kN     | Basic static load rating  |
| $P_u$ | 83 kN      | Fatigue load limit        |
|       | 2200 r/min | Reference speed           |
|       | 3200 r/min | Limiting speed            |
| e     | 0.35       | Calculation factor        |
| Y     | 1.7        | Calculation factor        |
| $Y_0$ | 0.9        | Calculation factor        |

MASS

|  |         |              |
|--|---------|--------------|
|  | 12.5 kg | Mass bearing |
|--|---------|--------------|

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