

## Tapered roller bearing 78250-78551-TIMKEN - 78250-78551-TIMKEN

<https://www.123bearing.eu/bearing-housing/roller-bearing/tapered/78250-78551-timken>

| TAPERED ROLLER BEARINGS |           |                 |                                        |                                   |                                          |                                   |                 |          |                  |       |       |
|-------------------------|-----------|-----------------|----------------------------------------|-----------------------------------|------------------------------------------|-----------------------------------|-----------------|----------|------------------|-------|-------|
| SINGLE-ROW • TYPE TS    |           |                 |                                        |                                   |                                          |                                   |                 |          |                  |       |       |
| TYPE TS                 |           |                 |                                        |                                   |                                          |                                   |                 |          |                  |       |       |
| Bearing Dimensions      |           |                 | Load Ratings                           |                                   |                                          |                                   |                 |          | Part Number      |       |       |
| Bore $d$                | O.D. $D$  | Width $T$       | Dynamic <sup>(1)</sup><br>$C_1$        | Factor <sup>(2)</sup><br>$e$      | Dynamic <sup>(1)</sup><br>$C_{10}$       | Factor <sup>(2)</sup><br>$K$      | Static<br>$C_0$ | Inner    | Outer            |       |       |
| mm                      | mm        | mm              | N                                      |                                   | N                                        |                                   | N               |          |                  |       |       |
| in                      | in        | in              | lbf                                    |                                   | lbf                                      |                                   | lbf             |          |                  |       |       |
| 63.500                  | 140.030   | 36.512          | 20200                                  | 0.01                              | 52000                                    | 77900                             | 0.67            | 100000   | 78250            | 78551 |       |
| 2.500                   | 5.5130    | 1.4375          | 45600                                  |                                   | 11800                                    | 17500                             |                 | 43400    |                  |       |       |
| Bearing Dimensions      |           |                 |                                        |                                   |                                          |                                   |                 |          |                  |       |       |
| Shaft                   |           |                 | Housing                                |                                   |                                          | Cage                              |                 |          | Geometry Factors |       |       |
| Width $B$               | Width $C$ | ER. Dr. $\mu m$ | Max Shaft<br>Fillet Radius<br>$R_{fs}$ | Backing<br>Shoulder Dia.<br>$d_s$ | Max Housing<br>Fillet Radius<br>$r_{fs}$ | Backing<br>Shoulder Dia.<br>$D_s$ | $A_{10}$        | $A_{11}$ | $G_1$            | $G_2$ | $C_1$ |
| mm                      | mm        | mm              | mm                                     | mm                                | mm                                       | mm                                | mm              | mm       |                  |       | kg    |
| in                      | in        | in              | in                                     | in                                | in                                       | in                                | in              | in       |                  |       | lb    |
| 33.236                  | 25.520    | 7.6             | 2.3                                    | 76.6                              | 85.6                                     | 2.3                               | 132.8           | 117.8    | 6.9              | 4.2   | 62.6  |
| 1.3085                  | 0.9200    | 0.31            | 0.09                                   | 3.10                              | 3.35                                     | 0.09                              | 5.20            | 4.61     | 0.27             | 0.17  | 2.42  |
|                         |           |                 |                                        |                                   |                                          |                                   |                 |          |                  |       | 5.34  |

### PRODUCT FEATURES

|                  |               |
|------------------|---------------|
| Brand            | TIMKEN        |
| N° Ean13         | 3663952282640 |
| Inside diameter  | 63.5 mm       |
| Inside diameter  | 2 1/2" inch   |
| Outside diameter | 140.03 mm     |
| Outside diameter | 5.513" inch   |
| Thickness        | 36.51 mm      |
| Thickness        | 1 7/16" inch  |
| Packaging        | 1             |

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