


# Tapered roller bearing EE450577-451212-TIMKEN - EE450577-451212-TIMKEN

<https://www.123bearing.com/bearing-housing/roller-bearing/tapered/ee450577-451212-timken>

**TAPERED ROLLER BEARINGS**  
SINGLE-ROW • TYPE TS

**TYPE TS**



| Bearing Dimensions |         |         | Load Ratings                          |                         |                                       |                                      |                       |          | Part Number |  |
|--------------------|---------|---------|---------------------------------------|-------------------------|---------------------------------------|--------------------------------------|-----------------------|----------|-------------|--|
| Bore d             | O.D. D  | Width B | Dynamic <sup>(1)</sup> C <sub>1</sub> | Factor <sup>(2)</sup> e | Dynamic <sup>(1)</sup> C <sub>2</sub> | Factor <sup>(2)</sup> e <sub>2</sub> | Static C <sub>3</sub> | Inner    | Outer       |  |
| mm                 | mm      | mm      | N                                     |                         | N                                     |                                      | N                     |          |             |  |
| 146.050            | 307.975 | 88.900  | 100000                                | 0.33                    | 273000                                | 152000                               | 140000                | EE450577 | 451212      |  |
| 5.1500             | 12.1250 | 3.5000  | 237000                                |                         | 61400                                 | 34300                                | 320000                |          |             |  |

| Bearing Dimensions |         |                          |   |                                       |  |                                       |                               |                               |                               | Geometry Factors |                |                | Bearing Weight |       |
|--------------------|---------|--------------------------|---|---------------------------------------|--|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|------------------|----------------|----------------|----------------|-------|
| Shaft              |         |                          |   |                                       | Housing                                  |                                       |                               |                               |                               | Cage             |                |                |                |       |
| Width B            | Width C | ER. Dr. α <sup>(1)</sup> | Max Shaft Fillet Radius R <sub>f1</sub> | Backing Shoulder Dia. d <sub>1s</sub> | Max Housing Fillet Radius r <sub>1</sub> | Backing Shoulder Dia. D <sub>1s</sub> | A <sub>1</sub> <sup>(1)</sup> | A <sub>2</sub> <sup>(1)</sup> | A <sub>3</sub> <sup>(1)</sup> | G <sub>1</sub>   | G <sub>2</sub> | C <sub>1</sub> | kg             |       |
| mm                 | mm      | mm                       | mm                                      | mm                                    | mm                                       | mm                                    | mm                            | mm                            | mm                            |                  |                |                | mm             |       |
| 88.902             | 61.912  | -28.2                    | 0.7                                     | 172.0                                 | 185.6                                    | 6.9                                   | 274.8                         | 269.0                         | 17.8                          | -2.7             | 107.4          | 76.3           | 0.1176         | 29.38 |
| 3.9875             | 2.4375  | -1.11                    | 0.38                                    | 6.77                                  | 7.28                                     | 0.27                                  | 10.82                         | 10.59                         | 0.70                          | -0.10            |                |                |                | 64.75 |

## PRODUCT FEATURES

|                  |               |
|------------------|---------------|
| Brand            | TIMKEN        |
| N° Ean13         | 3663952325859 |
| Inside diameter  | 146.05 mm     |
| Outside diameter | 307.975 mm    |
| Thickness        | 88.9 mm       |
| Packaging        | 1             |

[contact@123bearing.com](mailto:contact@123bearing.com)

(646) 712 9672

CRT4 de Lesquin 60 Rue Du Haut De Sainghin 59273 Fretin FRANCE