



# BEARING CORP.OF AMERICA

## TYPE TS



## Timken X32211 Y32211 Tapered roller bearing

Bearing No. X32211

|   |               |
|---|---------------|
| Series  | 32211         |
| Cone Part Number  | X32211        |
| Design Units  | METRIC        |
| Cage Type   | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 47300 lbf     |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 12300 lbf     |
| d   | 55.000 mm     |
| B - Cone Width  | 25.000 mm     |
| WPD   | 93.3 mm       |
| DD  | 84 mm         |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 2.030 mm      |
| da - Cone Frontface Backing Diameter  | 62 mm         |
| db - Cone Backface Backing Diameter   | 65 mm         |
| Ab - Cage-Cone Frontface Clearance  | 3.6 mm        |
| Aa - Cage-Cone Backface Clearance   | 1.5 mm        |
| a - Effective Center Location <sup>4</sup>                                    | -4.1 mm       |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 31300 N       |
| C1 - Dynamic Radial Rating  | 121000 N      |

X32211 Bearing 2D drawings and 3D CAD models



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|  |          |
|--|----------|
| (1 million revolutions) <sup>6</sup>   |          |
| C0 - Static Radial Rating  | 141000 N |
| C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 21700 N  |
| K - Factor <sup>8</sup>  | 1.44     |
| G1 - Heat Generation Factor (Roller-Raceway)                                   | 46.1     |
| G2 - Heat Generation Factor (Rib-Roller End)                                   | 18.3     |
| Cg - Geometry Factor   | 0.0928   |