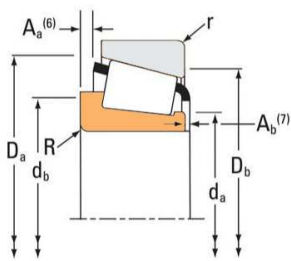
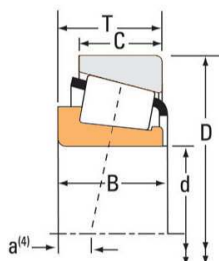




TYPE TS



TIMKEN Taper roller bearing 37431 size  
109.54x158.75x23.02

Bearing No. 37431

37431 Bearing 2D drawings and 3D CAD models

|   |               |
|---|---------------|
| Series  | 37000         |
| Cone Part Number  | 37431         |
| Design Units  | Imperial      |
| Cage Type   | Stamped Steel |
| C1 - Dynamic Radial Rating (Two-Row, 1 million revolutions) <sup>1</sup>      | 45100 lbf     |
| C90(2) - Dynamic Radial Rating (Two-Row, 90 million revolutions) <sup>2</sup> | 11700 lbf     |
| d   | 4.3125 in     |
| B - Cone Width  | 0.8440 in     |
| R - Cone Backface To Clear Radius <sup>3</sup>                                | 0.14 in       |
| da - Cone Frontface Backing Diameter  | 4.57 in       |
| db - Cone Backface Backing Diameter   | 4.84 in       |
| Ab - Cage-Cone Frontface Clearance  | 0.15 in       |
| Aa - Cage-Cone Backface Clearance   | 0.08 in       |
| a - Effective Center Location <sup>4</sup>                                    | 0.54 in       |
| C90 - Dynamic Radial Rating (90 million revolutions) <sup>5</sup>             | 6710 lbf      |
| C1 - Dynamic Radial Rating (1 million revolutions) <sup>6</sup>               | 25900 lbf     |
|   |               |



## Luoyang SDZ Machinery Equipment Co., ...

|  |           |
|--|-----------|
| C0 - Static Radial Rating  | 40100 lbf |
| C <sub>a90</sub> - Dynamic Thrust Rating (90 million revolutions) <sup>7</sup> | 6960 lbf  |
| K - Factor <sup>8</sup>  | 0.96      |
| G1 - Heat Generation Factor (Roller-Raceway)                                   | 123.7     |
| G2 - Heat Generation Factor (Rib-Roller End)                                   | 57.1      |
| Cg - Geometry Factor   | 0.144     |