

# FAG 533449 angular contact ball bearings

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|  |               |
|--|---------------|
| Series   | 95000         |
| Cone Part Number                               | 95500         |
| Cup Part Number                                | 95912         |
| Design Units                                   | Imperial      |
| Bearing Weight                                 | 11.3 Kg       |
| Cage Type                                      | Stamped Steel |
| d  | 127 mm        |
| D  | 231.775 mm    |
| B – Cone Width                                 | 63.5 mm       |
| C – Cup Width                                  | 49.213 mm     |
| B  | 63.5 mm       |
| R – Cone Backface To Clear Radius <sup>1</sup> | 6.35 mm       |
| r – Cup Backface To Clear Radius <sup>2</sup>  | 3.30 mm       |
| da – Cone Frontface Backing Diameter           | 141.99 mm     |
| db – Cone Backface Backing Diameter            | 153.92 mm     |
| Da – Cup Frontface Backing Diameter            | 217.90 mm     |
| Db – Cup Backface Backing Diameter             | 207.01 mm     |
| Ab – Cage-Cone Frontface Clearance             | 4.8 mm        |
| Aa – Cage-Cone Backface Clearance              | 5.6 mm        |
| a – Effective Center Location <sup>3</sup>     | -14 mm        |

|  |            |
|--|------------|
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>  | 36700 lbf  |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>    | 141000 lbf |
| C0 – Static Radial Rating  | 209000 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup> | 23200 lbf  |
| K – Factor <sup>7</sup>  | 1.58       |
| e – ISO Factor <sup>8</sup>  | 0.37       |
| Y – ISO Factor <sup>9</sup>  | 1.62       |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 453.9      |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 59.4       |
| Cg – Geometry Factor   | 0.132      |