

# Timken 511028 angular contact ball bearings

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|   |               |
|---|---------------|
| Series  | 43000         |
| Cone Part Number  | 43118         |
| Cup Part Number   | 43300         |
| Design Units  | Imperial      |
| Bearing Weight  | 0.5 Kg        |
| Cage Type   | Stamped Steel |
| d   | 30.163 mm     |
| D   | 76.2 mm       |
| B – Cone Width  | 24.074 mm     |
| C – Cup Width   | 16.670 mm     |
| B   | 24.608 mm     |
| R – Cone Backface To Clear Radius <sup>1</sup>                    | 1.520 mm      |
| r – Cup Backface To Clear Radius <sup>2</sup>                     | 3.30 mm       |
| da – Cone Frontface Backing Diameter                              | 41.91 mm      |
| db – Cone Backface Backing Diameter                               | 44.96 mm      |
| Da – Cup Frontface Backing Diameter                               | 73.90 mm      |
| Db – Cup Backface Backing Diameter                                | 64.01 mm      |
| Ab – Cage-Cone Frontface Clearance                                | 3.3 mm        |
| Aa – Cage-Cone Backface Clearance                                 | 2.5 mm        |
| a – Effective Center Location <sup>3</sup>                        | -2 mm         |
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup> | 5360 lbf      |

|  |           |
|--|-----------|
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>    | 20700 lbf |
| C0 – Static Radial Rating  | 17100 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup> | 6130 lbf  |
| K – Factor <sup>7</sup>  | 0.87      |
| e – ISO Factor <sup>8</sup>  | 0.67      |
| Y – ISO Factor <sup>9</sup>  | 0.9       |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 16.8      |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 7.57      |
| Cg – Geometry Factor   | 0.0774    |