

# FAG HCB7007-C-2RSD-T-P4S angular contact ball bearings

FAG HCB7007-C-2RSD-T-P4S angular contact ball bearings, Units and Housings CAD models 05186 Cup Part Number , 05066 Cone Part Number Manufacturing Service 05000 Series . Get Your Free.

|                                      |               |
|--------------------------------------|---------------|
| Series                               | 05000         |
| Cone Part Number                     | 05066         |
| Cup Part Number                      | 05186         |
| Design Units                         | Imperial      |
| Bearing Weight                       | 0.10 Kg       |
| Cage Type                            | Stamped Steel |
| d                                    | 16.993 mm     |
| D                                    | 46.990 mm     |
| B – Cone Width                       | 14.381 mm     |
| C – Cup Width                        | 11.999 mm     |
| B                                    | 15.250 mm     |
| R – Cone Backface To Clear Radius1   | 1.520 mm      |
| r – Cup Backface To Clear Radius2    | 1.52 mm       |
| da – Cone Frontface Backing Diameter | 22.10 mm      |
| db – Cone Backface Backing Diameter  | 24.38 mm      |
| Da – Cup Frontface Backing Diameter  | 42.93 mm      |
| Db – Cup Backface Backing Diameter   | 40.39 mm      |
| Ab – Cage-Cone Frontface Clearance   | 1.8 mm        |
| Aa – Cage-Cone Backface Clearance    | -0.3 mm       |
| a – Effective Center Location3       | -4.1 mm       |

|  |          |
|--|----------|
| C90 – Dynamic Radial Rating (90 million revolutions) <sup>4</sup>  | 1560 lbf |
| C1 – Dynamic Radial Rating (1 million revolutions) <sup>5</sup>    | 6010 lbf |
| C0 – Static Radial Rating  | 5720 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) <sup>6</sup> | 952 lbf  |
| K – Factor <sup>7</sup>  | 1.64     |
| e – ISO Factor <sup>8</sup>  | 0.36     |
| Y – ISO Factor <sup>9</sup>  | 1.68     |
| G1 – Heat Generation Factor (Roller-Raceway)                       | 5.8      |
| G2 – Heat Generation Factor (Rib-Roller End)                       | 5.5      |
| Cg – Geometry Factor   | 0.0448   |