

NTN 7918UADG/GNP42 angular contact ball bearings

NTN 7918UADG/GNP42 angular contact ball bearings, Units and Housings CAD models , Manufacturing Service . Get Your Free. 94000 Series

| | |
|---|---------------|
| Series | 94000 |
| Cone Part Number | 94700 |
| Cup Part Number | 94113A |
| Design Units | Imperial |
| Bearing Weight | 15.400 Kg |
| Cage Type | Stamped Steel |
| d | 177.800 mm |
| D | 288.925 mm |
| B – Cone Width | 63.5 mm |
| C – Cup Width | 47.625 mm |
| B | 63.5 mm |
| R – Cone Backface To Clear Radius ¹ | 7.110 mm |
| r – Cup Backface To Clear Radius ² | 3.30 mm |
| da – Cone Frontface Backing Diameter | 195.07 mm |
| db – Cone Backface Backing Diameter | 207.01 mm |
| Da – Cup Frontface Backing Diameter | 273.05 mm |
| Db – Cup Backface Backing Diameter | 259.08 mm |
| Ab – Cage-Cone Frontface Clearance | 6.3 mm |
| Aa – Cage-Cone Backface Clearance | 6.1 mm |
| a – Effective Center Location ³ | -0.8 mm |
| C90 – Dynamic Radial Rating (90 million revolutions) ⁴ | 38500 lbf |

| | |
|--|------------|
| C1 – Dynamic Radial Rating (1 million revolutions) ⁵ | 148000 lbf |
| C0 – Static Radial Rating | 242000 lbf |
| Ca90 – Dynamic Thrust Rating (90 million revolutions) ⁶ | 30800 lbf |
| K – Factor ⁷ | 1.25 |
| e – ISO Factor ⁸ | 0.47 |
| Y – ISO Factor ⁹ | 1.28 |
| G1 – Heat Generation Factor (Roller-Raceway) | 692.3 |
| G2 – Heat Generation Factor (Rib-Roller End) | 93.9 |
| Cg – Geometry Factor | 0.129 |