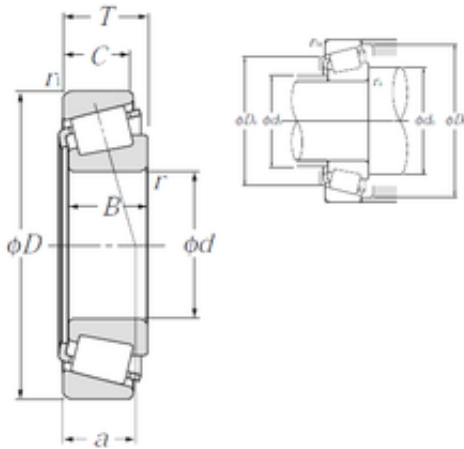




# CAR Bearing manufacturing Co.,Ltd

## NTN 4T-07098/07196 tapered roller bearings

Bearing No. 4T-07098/07196



4T-07098/07196 Bearing 2D drawings and 3D CAD models

|                               |                         |
|-------------------------------|-------------------------|
| Size                          | 24.981x50.005x13.495 mm |
| Bore Diameter                 | 24,981 mm               |
| Outer Diameter                | 50,005 mm               |
| Width                         | 13,495 mm               |
| d                             | 24,981 mm               |
| D                             | 50,005 mm               |
| T                             | 13,495 mm               |
| B                             | 14,26 mm                |
| C                             | 9,525 mm                |
| ra1 max.                      | 1 mm                    |
| a                             | 3 mm                    |
| Da                            | 44,5 mm                 |
| db                            | 29 mm                   |
| ra max.                       | 1,5 mm                  |
| da                            | 31 mm                   |
| Db                            | 47 mm                   |
| Weight                        | 0,118 Kg                |
| Basic dynamic load rating (C) | 26 kN                   |
| Basic static load rating (C0) | 27,9 kN                 |
| (Grease) Lubrication Speed    | 7 500 r/min             |
| (Oil) Lubrication Speed       | 10 000 r/min            |
| Calculation factor (e)        | 0,4                     |
| Calculation factor (Y0)       | 0,82                    |
| d1                            | 37.5 mm                 |
| e                             | 0.4                     |
| Y2                            | 1.49                    |



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|   |            |
|---|------------|
| Y0  | 0.82       |
| Mass  | 0.12 kg    |
| Dynamic load, C                               | 26 kN      |
| Rating life coefficient, A2                   | 1.4        |
| Static load, C0                               | 27.9 kN    |
| Fatigue limit load, Cu                        | 3.4 kN     |
| Nlim (oil)                                    | 10,000 rpm |
| Nlim (grease)                                 | 7,500 rpm  |
| Min operating temperature, Tmin               | -40 ° C    |
| Max operating temperature, Tmax               | 120 ° C    |
| Characteristic cage frequency, FTF            | 0.42 Hz    |
| Characteristic rolling element frequency, BSF | 6.31 Hz    |
| Characteristic outer ring frequency, BPF0     | 7.23 Hz    |
| Characteristic inner ring frequency, BPFI     | 9.77 Hz    |
| ra max  | 1.5 mm     |
| r1a max                                       | 1 mm       |