



## NTN Bearing Rolamentos do Brasil Ltda.

### NTN 81110T2 Thrust cylindrical roller bearings- Complete thrust bearing

Bearing No. 81110T2

|                                      |           |
|--------------------------------------|-----------|
| d                                    | 50 mm     |
| D                                    | 70 mm     |
| d1                                   | 70 mm     |
| D1                                   | 52 mm     |
| T                                    | 14 mm     |
| Dc1                                  | 50 mm     |
| Dc                                   | 70 mm     |
| Dw                                   | 6 mm      |
| Lw                                   | 6 mm      |
| rs min                               | 0.6 mm    |
| Cage assembly reference              | K81110T2  |
| Bearing ring (inner ring)<br>WS      | WS81110   |
| Bearing ring (outer ring) GS         | GS81110   |
| Ea                                   | 66.4 mm   |
| Eb                                   | 53.2 mm   |
| Mass                                 | 0.16 kg   |
| Cage assembly mass                   | 0.04 kg   |
| Bearing ring (inner ring)<br>WS mass | 0.06 kg   |
| Bearing ring (outer ring) GS<br>mass | 0.06 kg   |
| Ca                                   | 48.5 kN   |
| C0a                                  | 150 kN    |
| Nlim (grease)                        | 1,000 rpm |
| Nlim (oil)                           | 4,000 rpm |
|                                      |           |

81110T2 Bearing 2D drawings and 3D CAD models



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|   |          |
|---|----------|
| Min operating temperature, Tmin               | -20 ° C  |
| Max operating temperature, Tmax               | 120 ° C  |
| Characteristic cage frequency, FTF            | 0.5 Hz   |
| Characteristic rolling element frequency, BSF | 9.97 Hz  |
| Characteristic outer ring frequency, BPF0     | 10.5 Hz  |
| Characteristic inner ring frequency, BRFI     | 10.5 Hz  |
| da min  | 66 mm    |
| Db max  | 54 mm    |
| ras max                                       | 0.6 mm   |
| Category                                      | Bearings |
| Inventory                                     | 0.0      |
| Manufacturer Name                             | NTN      |
| Minimum Buy Quantity                          | N/A      |
| Weight / Kilogram                             | 0.141    |
| Product Group                                 | B04144   |