



Bearing No. 4T-HM220149/HM220110

|                      |                      |
|----------------------|----------------------|
| a                    | 33.1 mm              |
| D                    | 157 mm               |
| e                    | 0.33                 |
| C                    | 34 mm                |
| T                    | 42 mm                |
| B                    | 42 mm                |
| d                    | 100 mm               |
| Y2                   | 1.8                  |
| Y0                   | 0.99                 |
| Mass                 | 2.82 kg              |
| ra max               | 8 mm                 |
| rs min               | 8 mm                 |
| r1a max              | 3.5 mm               |
| r1s min              | 3.56 mm              |
| Category             | Bearings             |
| Size (mm)            | 100x157x42           |
| Inventory            | 0.0                  |
| Nlim (oil)           | 2,900 rpm            |
| Width (mm)           | 42                   |
| Nlim (grease)        | 2,200 rpm            |
| Product Group        | B04334               |
| Bearing number       | 4T-HM220149/HM220110 |
| Static load, C0      | 380 kN               |
| Dynamic load, C      | 248 kN               |
| Manufacturer Name    | NTN                  |
| Weight / Kilogram    | 2.904                |
| Bore Diameter (mm)   | 100                  |
| Outer Diameter (mm)  | 157                  |
| Minimum Buy Quantity | N/A                  |
|                      |                      |

|                                               |          |
|-----------------------------------------------|----------|
| Rating life coefficient, A2                   | 1.4      |
| Min operating temperature, Tmin               | -40 °C   |
| Max operating temperature, Tmax               | 120 °C   |
| Characteristic cage frequency, FTF            | 0.44 Hz  |
| Characteristic outer ring frequency, BPF0     | 9.71 Hz  |
| Characteristic inner ring frequency, BPFI     | 12.29 Hz |
| Characteristic rolling element frequency, BSF | 8.24 Hz  |