

# NTN TMB305X77 deep groove ball bearings

The online NTN TMB305X77 deep groove ball bearings parts store gives you immediate 280x500x130 Size (mm) access to a selection of more than 500 Outer Diameter (mm) 1.4 million new, used, remanufactured. 280 Bore Diameter (mm)

|                               |             |
|-------------------------------|-------------|
| Size (mm)                     | 280x500x130 |
| Bore Diameter (mm)            | 280         |
| Outer Diameter (mm)           | 500         |
| Width (mm)                    | 130         |
| d                             | 280 mm      |
| D                             | 500 mm      |
| B                             | 130 mm      |
| C                             | 130 mm      |
| r min.                        | 5 mm        |
| da min.                       | 302 mm      |
| Da max.                       | 478 mm      |
| ra max.                       | 4 mm        |
| Weight                        | 110 Kg      |
| Basic dynamic load rating (C) | 2 310 kN    |
| Basic static load rating (C0) | 3 800 kN    |
| (Grease) Lubrication Speed    | 770 r/min   |
| (Oil) Lubrication Speed       | 1 000 r/min |
| Calculation factor (e)        | 0,26        |
| Calculation factor (Y0)       | 2,51        |
| Calculation factor (Y1)       | 2,57        |
| d2                            | 355 mm      |

|   |           |
|---|-----------|
| D1  | 434 mm    |
| rs min  | 5 mm      |
| Number of lubrication holes                   | 8         |
| b   | 20 mm     |
| k   | 12 mm     |
| Associated sleeve reference                   | H3156     |
| e   | 0.26      |
| Y1  | 2.57      |
| Y2  | 3.83      |
| Y0  | 2.51      |
| Radial clearance class                        | CN        |
| Dynamic load, C                               | 2,310 kN  |
| Static load, C0                               | 3,800 kN  |
| Fatigue limit load, Cu                        | 309 kN    |
| Nref  | 1,000 rpm |
| Nlim  | 1,200 rpm |
| Min operating temperature, Tmin               | -40 °C    |
| Max operating temperature, Tmax               | 120 °C    |
| Characteristic cage frequency, FTF            | 0.43 Hz   |
| Characteristic rolling element frequency, BSF | 7.28 Hz   |
| Characteristic outer ring frequency, BPF0     | 8.67 Hz   |
| Characteristic inner ring frequency, BRFI     | 11.33 Hz  |
| da min  | 300 mm    |
| db min  | 296 mm    |
| Ce min  | 28 mm     |
| Da max  | 480 mm    |
| ra max  | 4 mm      |