

# T2ED090 K0Y0 90x155x46mm db(max) 102 Tapered roller bearings

|                               |           |
|-------------------------------|-----------|
| Bearing number                | T2ED090   |
| Size (mm)                     | 90x155x46 |
| Brand                         | K0Y0      |
| Bore Diameter (mm)            | 90        |
| Outer Diameter (mm)           | 155       |
| Width (mm)                    | 46        |
| d                             | 90 mm     |
| D                             | 155 mm    |
| T                             | 46 mm     |
| B                             | 46 mm     |
| C                             | 38 mm     |
| a                             | 33.5 mm   |
| r min.                        | 3 mm      |
| r2 min.                       | 3 mm      |
| da min.                       | 104 mm    |
| da max                        | 102 mm    |
| Da min                        | 135 mm    |
| Da max.                       | 141 mm    |
| Db min.                       | 147 mm    |
| ra max.                       | 2.5 mm    |
| rb max.                       | 2.5 mm    |
| Weight                        | 3.47 Kg   |
| Basic dynamic load rating (C) | 273 kN    |
| Basic static load rating (C0) | 405 kN    |

|                                      |            |
|--------------------------------------|------------|
| (Grease) Lubrication Speed           | 2400 r/min |
| (Oil) Lubrication Speed              | 3200 r/min |
| Calculation factor (e)               | 0.33       |
| Calculation factor (Y <sub>0</sub> ) | 1.01       |
| Bearing No.                          | T2ED090    |
| r(min)                               | 3          |
| r <sub>1</sub> (min)                 | 3          |
| C <sub>r</sub>                       | 342        |
| C <sub>0r</sub>                      | 405        |
| C <sub>u</sub>                       | 54.1       |
| Grease lub.                          | 2400       |
| Oil lub.                             | 3200       |
| a(mm)                                | 33.5       |
| d <sub>a</sub> (min)                 | 104        |
| d <sub>b</sub> (max)                 | 102        |
| D <sub>a</sub> (max)                 | 141        |
| D <sub>a</sub> (min)                 | 135        |
| D <sub>b</sub> (min)                 | 147        |
| S <sub>a</sub> (min)                 | 7          |
| S <sub>b</sub> (min)                 | 8          |
| r <sub>a</sub> (max)                 | 2.5        |
| r <sub>b</sub> (max)                 | 2.5        |
| e                                    | 0.33       |
| Y <sub>1</sub>                       | 1.84       |
| Y <sub>0</sub>                       | 1.01       |
| (Refer.) Mass(kg)                    | 3.47       |