



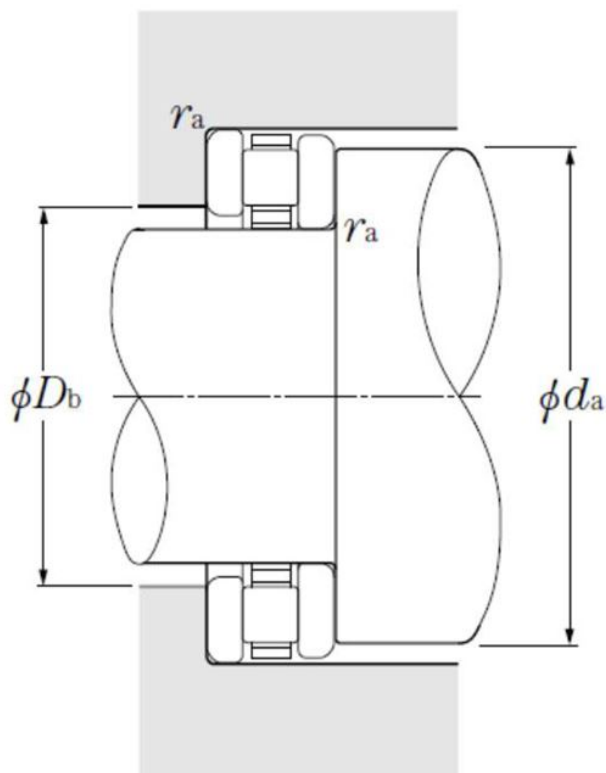
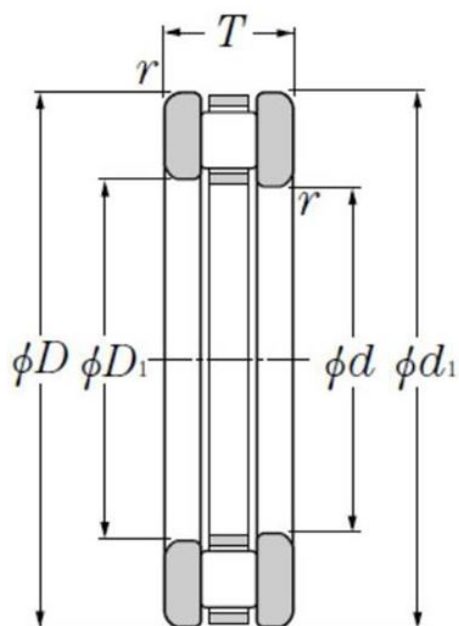
## Technical datasheet

### 81212T2

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 812 series

## Visual(s)



| Product definition                       |          |
|------------------------------------------|----------|
| <b>d</b>                                 | 60 mm    |
| <b>D</b>                                 | 95 mm    |
| <b>d1</b>                                | 95 mm    |
| <b>D1</b>                                | 62 mm    |
| <b>T</b>                                 | 26 mm    |
| <b>Dc1</b>                               | 60 mm    |
| <b>Dc</b>                                | 95 mm    |
| <b>Dw</b>                                | 11 mm    |
| <b>Lw</b>                                | 11 mm    |
| <b>rs min</b>                            | 1 mm     |
| <b>Cage assembly reference</b>           | K81212T2 |
| <b>Bearing ring (inner ring) WS</b>      | WS81212  |
| <b>Bearing ring (outer ring) GS</b>      | GS81212  |
| <b>Ea</b>                                | 88.4 mm  |
| <b>Eb</b>                                | 64.9 mm  |
| <b>Mass</b>                              | 0.66 kg  |
| <b>Cage assembly mass</b>                | 0.2 kg   |
| <b>Bearing ring (inner ring) WS mass</b> | 0.23 kg  |
| <b>Bearing ring (outer ring) GS mass</b> | 0.23 kg  |
| <b>Brand</b>                             | NTN      |

| Product performance                                  |           |
|------------------------------------------------------|-----------|
| <b>Ca</b>                                            | 126 kN    |
| <b>C0a</b>                                           | 365 kN    |
| <b>Nlim (grease)</b>                                 | 780 rpm   |
| <b>Nlim (oil)</b>                                    | 3,100 rpm |
| <b>Min operating temperature, Tmin</b>               | -20 °C    |
| <b>Max operating temperature, Tmax</b>               | 120 °C    |
| <b>Characteristic cage frequency, FTF</b>            | 0.5 Hz    |
| <b>Characteristic rolling element frequency, BSF</b> | 6.97 Hz   |
| <b>Characteristic outer ring frequency, BPF0</b>     | 7.5 Hz    |
| <b>Characteristic inner ring frequency, BPFI</b>     | 7.5 Hz    |

| Abutment dimensions |       |
|---------------------|-------|
| <b>da min</b>       | 88 mm |
| <b>Db max</b>       | 66 mm |
| <b>ras max</b>      | 1 mm  |