

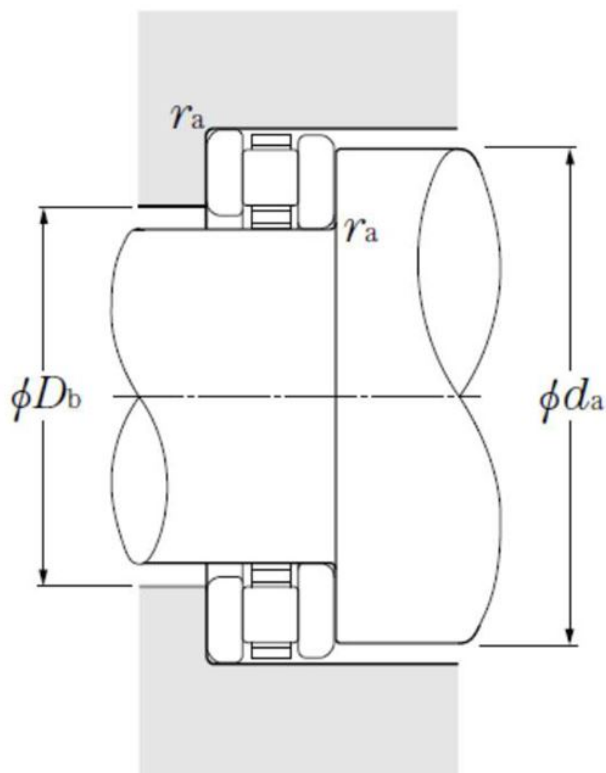
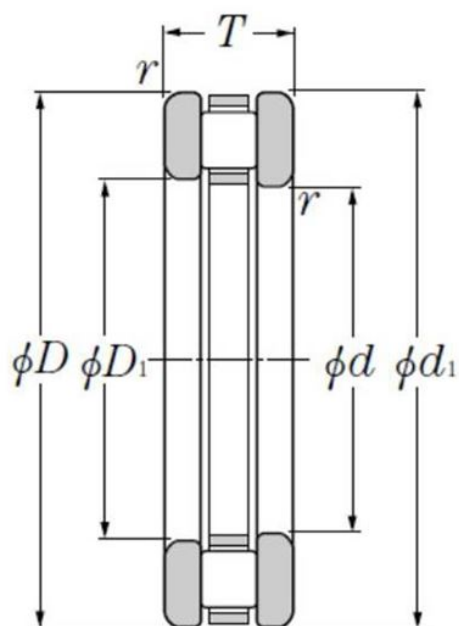
## Technical data

### 81124T2

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 811 series

## Visual(s)



## Product definition

|                                          |          |
|------------------------------------------|----------|
| <b>d</b>                                 | 120 mm   |
| <b>D</b>                                 | 155 mm   |
| <b>d1</b>                                | 155 mm   |
| <b>D1</b>                                | 122 mm   |
| <b>T</b>                                 | 25 mm    |
| <b>Dc1</b>                               | 120 mm   |
| <b>Dc</b>                                | 155 mm   |
| <b>Dw</b>                                | 11 mm    |
| <b>Lw</b>                                | 11 mm    |
| <b>rs min</b>                            | 1 mm     |
| <b>Cage assembly reference</b>           | K81124T2 |
| <b>Bearing ring (inner ring) WS</b>      | WS81124  |
| <b>Bearing ring (outer ring) GS</b>      | GS81124  |
| <b>Ea</b>                                | 148.8 mm |
| <b>Eb</b>                                | 125 mm   |
| <b>Mass</b>                              | 1.17 kg  |
| <b>Cage assembly mass</b>                | 0.34 kg  |
| <b>Bearing ring (inner ring) WS mass</b> | 0.42 kg  |
| <b>Bearing ring (outer ring) GS mass</b> | 0.42 kg  |
| <b>Brand</b>                             | NTN      |

## Product performance

|                                                      |              |
|------------------------------------------------------|--------------|
| <b>Ca</b>                                            | 172 kN       |
| <b>C0a</b>                                           | 655 kN       |
| <b>Nlim (grease)</b>                                 | 450 Tr/min   |
| <b>Nlim (oil)</b>                                    | 1,800 Tr/min |
| <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> | 12.44 Hz     |
| <b>Characteristic outer ring frequency, BPF0</b>     | 13.5 Hz      |
| <b>Characteristic inner ring frequency, BPFI</b>     | 13.5 Hz      |

## Abutment dimensions

|                |        |
|----------------|--------|
| <b>da min</b>  | 148 mm |
| <b>Db max</b>  | 126 mm |
| <b>ras max</b> | 1 mm   |