



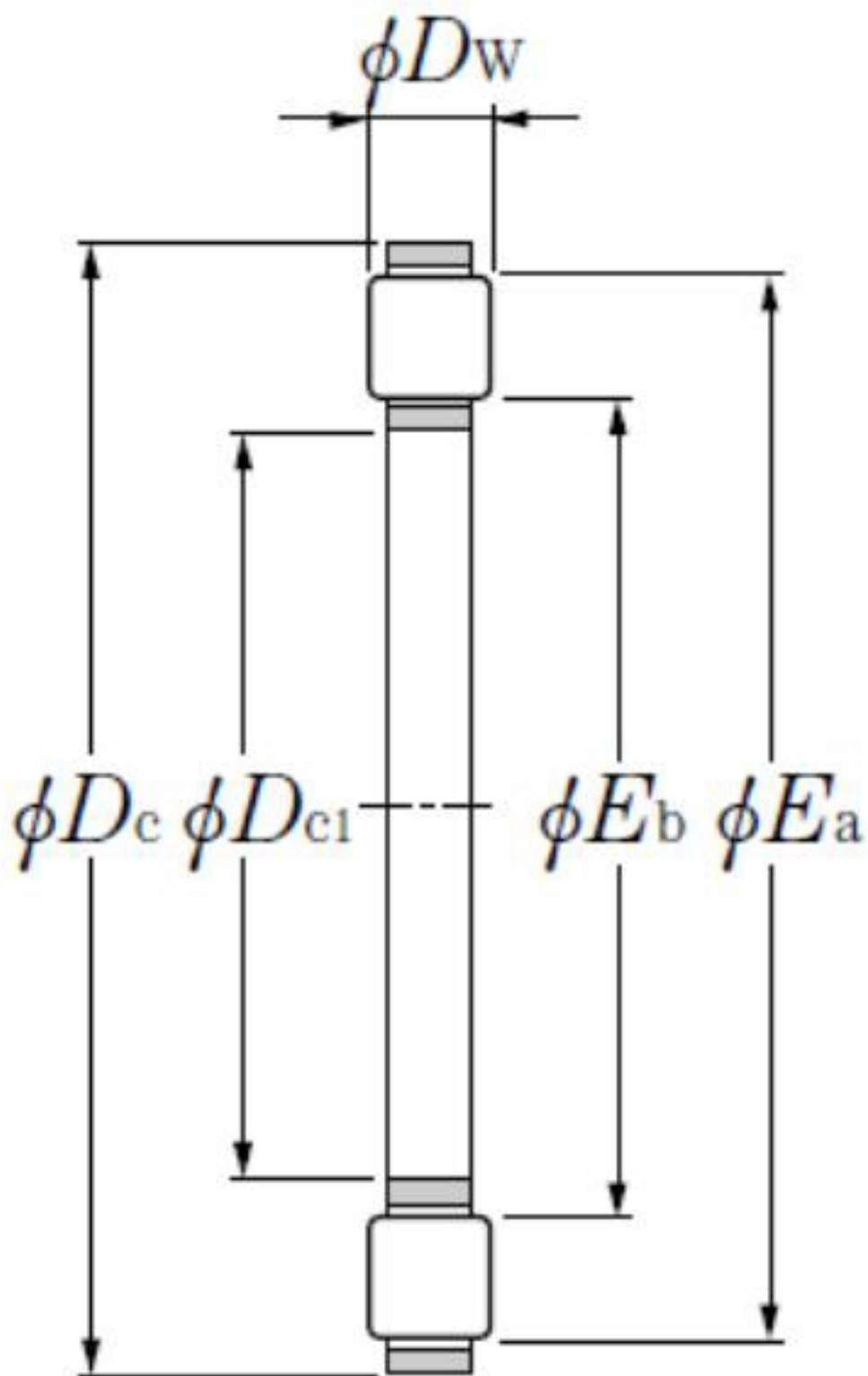
## Technical datasheet

### K81110T2

Thrust cylindrical roller bearing cages

Needle roller bearing, thrust cylindrical roller bearing, cage assembly, K811 series

## Visual(s)



| Product definition                  |         |
|-------------------------------------|---------|
| <b>Dc1</b>                          | 50 mm   |
| <b>Dc</b>                           | 70 mm   |
| <b>Dw</b>                           | 6 mm    |
| <b>Lw</b>                           | 6 mm    |
| <b>Bearing ring (inner ring) WS</b> | WS81110 |
| <b>Bearing ring (outer ring) GS</b> | GS81110 |
| <b>Ea</b>                           | 66.4 mm |
| <b>Eb</b>                           | 53.2 mm |
| <b>Cage assembly mass</b>           | 0.04 kg |
| <b>Brand</b>                        | NTN     |

| Product performance                                  |           |
|------------------------------------------------------|-----------|
| <b>Ca</b>                                            | 48 kN     |
| <b>C0a</b>                                           | 150 kN    |
| <b>Nlim (grease)</b>                                 | 1,000 rpm |
| <b>Nlim (oil)</b>                                    | 4,000 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> | 9.97 Hz   |
| <b>Characteristic outer ring frequency, BPF0</b>     | 10.5 Hz   |
| <b>Characteristic inner ring frequency, BPFI</b>     | 10.5 Hz   |