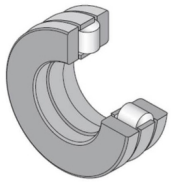
# Technical datasheet

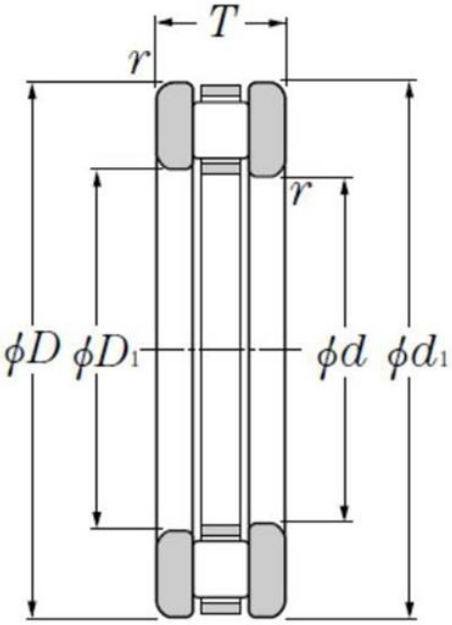
## 81103T2

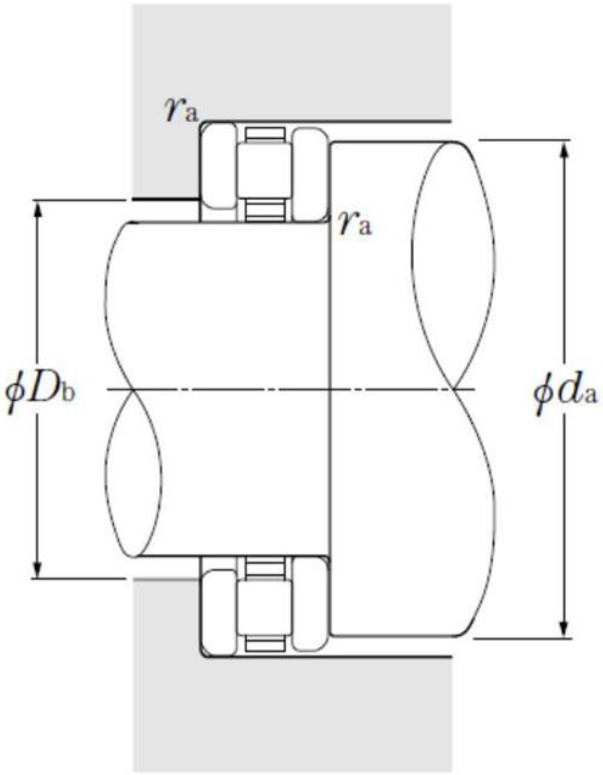
Complete thrust bearing



Needle roller bearing, thrust cylindrical roller bearing, 811 series

## Visual(s)



## Product definition

| | |
|---|---|
| **d** | 17 mm |
| **D** | 30 mm |
| **d1** | 30 mm |
| **D1** | 18 mm |
| **T** | 9 mm |
| **Dc1** | 17 mm |
| **Dc** | 30 mm |
| **Dw** | 3.5 mm |
| **Lw** | 3.5 mm |
| **rs min** | 0.3 mm |
| **Cage assembly reference** | K81103T2 |
| **Bearing ring (inner ring) WS** | WS81103 |
| **Bearing ring (outer ring) GS** | GS81103 |
| **Ea** | 27 mm |
| **Eb** | 19.2 mm |
| **Mass** | 0.03 kg |
| **Cage assembly mass** | 0.008 kg |
| **Bearing ring (inner ring) WS mass** | 0.01 kg |
| **Bearing ring (outer ring) GS mass** | 0.01 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Ca** | 12.7 kN |
| **C0a** | 29 kN |
| **Nlim (grease)** | 2,500 rpm |
| **Nlim (oil)** | 10,000 rpm |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.5 Hz |
| **Characteristic rolling element frequency, BSF** | 6.6 Hz |
| **Characteristic outer ring frequency, BPF0** | 6.5 Hz |
| **Characteristic inner ring frequency, BPFI** | 6.5 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 27 mm |
| **Db max** | 20 mm |
| **ras max** | 0.3 mm |