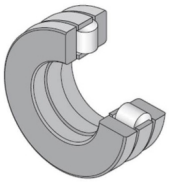
# Technical datasheet

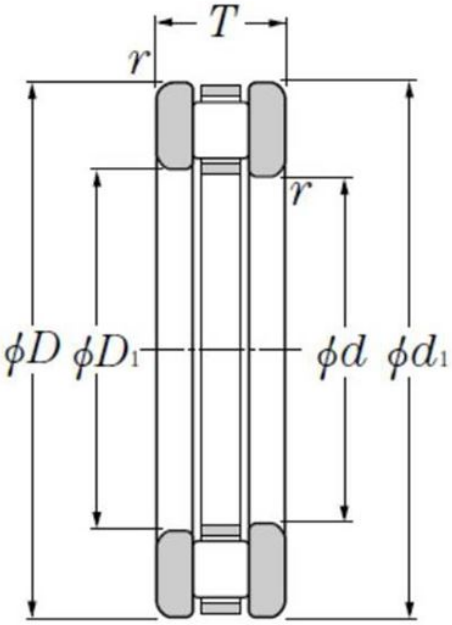
## 81217L1

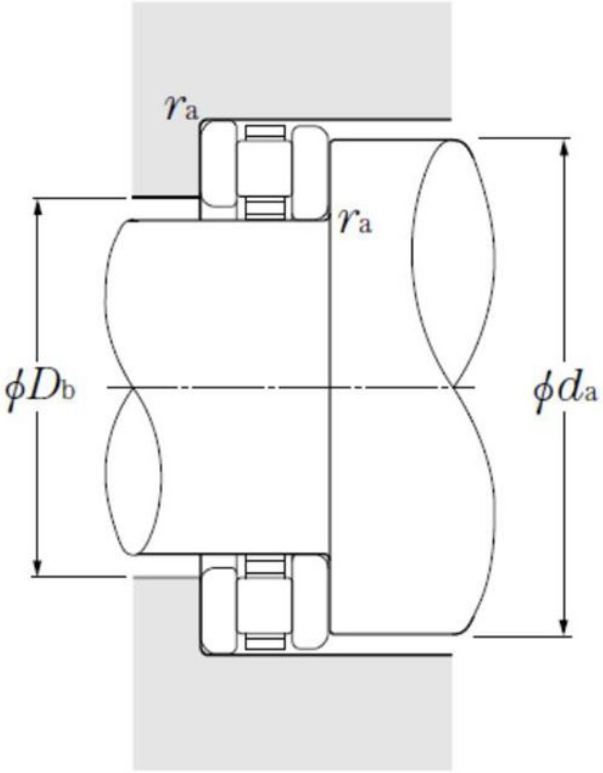
Complete thrust bearing



Needle roller bearing, thrust cylindrical roller bearing, 812 series

## Visual(s)



## Product definition

| | |
|---|---|
| **d** | 85 mm |
| **D** | 125 mm |
| **d1** | 125 mm |
| **D1** | 88 mm |
| **T** | 31 mm |
| **Dc1** | 85 mm |
| **Dc** | 125 mm |
| **Dw** | 12 mm |
| **Lw** | 12 mm |
| **rs min** | 1 mm |
| **Cage assembly reference** | K81217L1 |
| **Bearing ring (inner ring) WS** | WS81217 |
| **Bearing ring (outer ring) GS** | GS81217 |
| **Ea** | 116.9 mm |
| **Eb** | 92.2 mm |
| **Mass** | 1.3 kg |
| **Cage assembly mass** | 0.32 kg |
| **Bearing ring (inner ring) WS mass** | 0.49 kg |
| **Bearing ring (outer ring) GS mass** | 0.49 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Ca** | 169 kN |
| **C0a** | 550 kN |
| **Nlim (grease)** | 580 rpm |
| **Nlim (oil)** | 2,300 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** | 8.71 Hz |
| **Characteristic outer ring frequency, BPF0** | 9.5 Hz |
| **Characteristic inner ring frequency, BPFI** | 9.5 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 116 mm |
| **Db max** | 92 mm |
| **ras max** | 1 mm |