

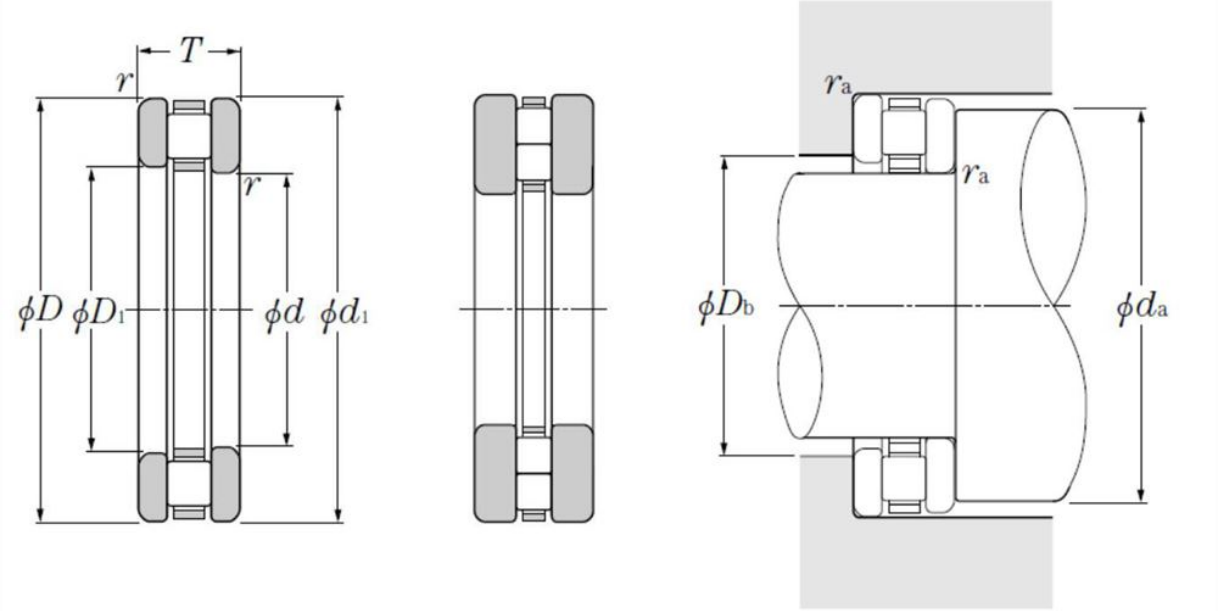
# Technical datasheet

## 89307

Complete thrust bearing

Needle roller bearing, thrust cylindrical roller bearing, 893 series

## Visual(s)



## Product definition

| | |
|---|---|
| **d** | 35 mm |
| **D** | 68 mm |
| **d1** | 68 mm |
| **D1** | 37 mm |
| **T** | 20 mm |
| **Dc1** | 35 mm |
| **Dc** | 68 mm |
| **Dw** | 6 mm |
| **Lw** | 6 mm |
| **rs min** | 1 mm |
| **Cage assembly reference** | K89307 |
| **Bearing ring (inner ring) WS** | WS89307 |
| **Bearing ring (outer ring) GS** | GS89307 |
| **Ea** | 64.4 mm |
| **Eb** | 40 mm |
| **Mass** | 0.36 kg |
| **Cage assembly mass** | 0.06 kg |
| **Bearing ring (inner ring) WS mass** | 0.15 kg |
| **Bearing ring (outer ring) GS mass** | 0.15 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Ca** | 66.5 kN |
| **C0a** | 214 kN |
| **Nlim (grease)** | 1,200 rpm |
| **Nlim (oil)** | 4,600 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** | 8.7 Hz |
| **Characteristic outer ring frequency, BPF0** | 7.5 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.5 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 64 mm |
| **Db max** | 40 mm |
| **ras max** | 1 mm |