# Technical data

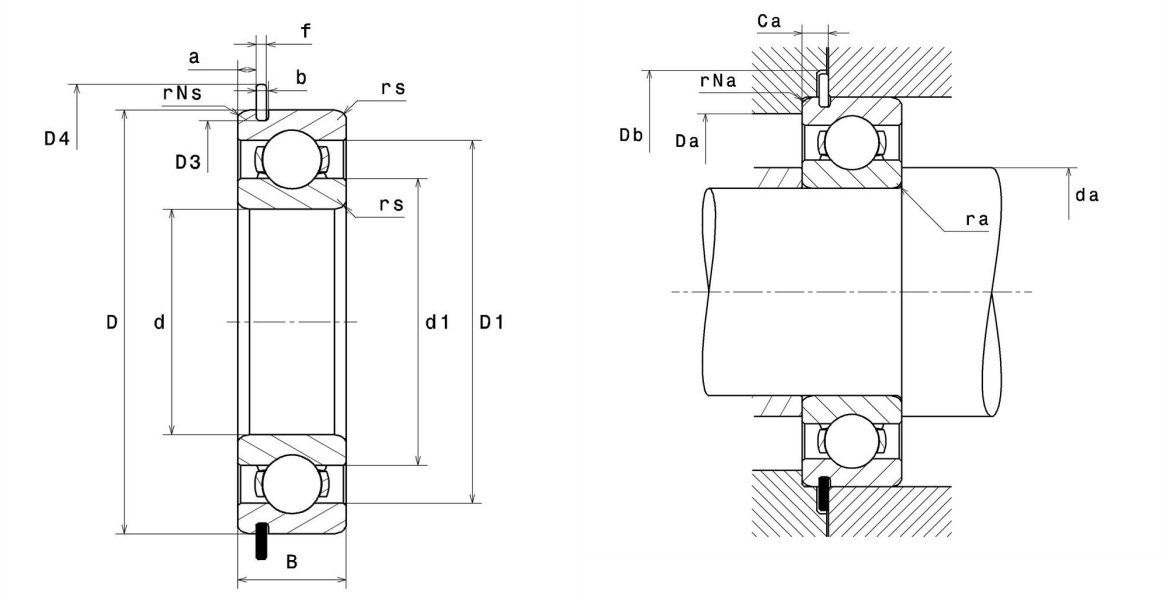
## 6203NR

Single row deep groove ball bearings



Deep groove ball bearing, radial contact, pressed steel cage, snap ring & groove on outer diameter, open

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 17 mm |
| **D** | 40 mm |
| **B** | 12 mm |
| **a min** | 1.9 mm |
| **a max** | 2.06 mm |
| **Ca min** | 2.92 mm |
| **Ca max** | 3.18 mm |
| **rs min** | 0.6 mm |
| **rNs min** | 0.5 mm |
| **D3 max** | 38.1 mm |
| **b min** | 1.35 mm |
| **b max** | 1.65 mm |
| **r0 max** | 0.4 mm |
| **D4 max** | 44.6 mm |
| **f** | 1.12 mm |
| **Snap ring reference** | R40 |
| **Radial clearance class** | CN |
| **Mass** | 0.07 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Dynamic load, C** | 9.6 kN |
| **Static load, C0** | 4.6 kN |
| **Fatigue limit load, Cu** | 0.21 kN |
| **f0** | 12.8 |
| **Nlim (oil)** | 21,000 Tr/min |
| **Nlim (grease)** | 18,000 Tr/min |
| **Min operating temperature, Tmin** | -40 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.38 Hz |
| **Characteristic rolling element frequency, BSF** | 3.78 Hz |
| **Characteristic outer ring frequency, BPF0** | 2.63 Hz |
| **Characteristic inner ring frequency, BPFI** | 4.37 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 21 mm |
| **Da max** | 36 mm |
| **ra max** | 0.6 mm |
| **rNa max** | 0.5 mm |
| **Db min** | 45.5 mm |