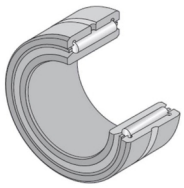
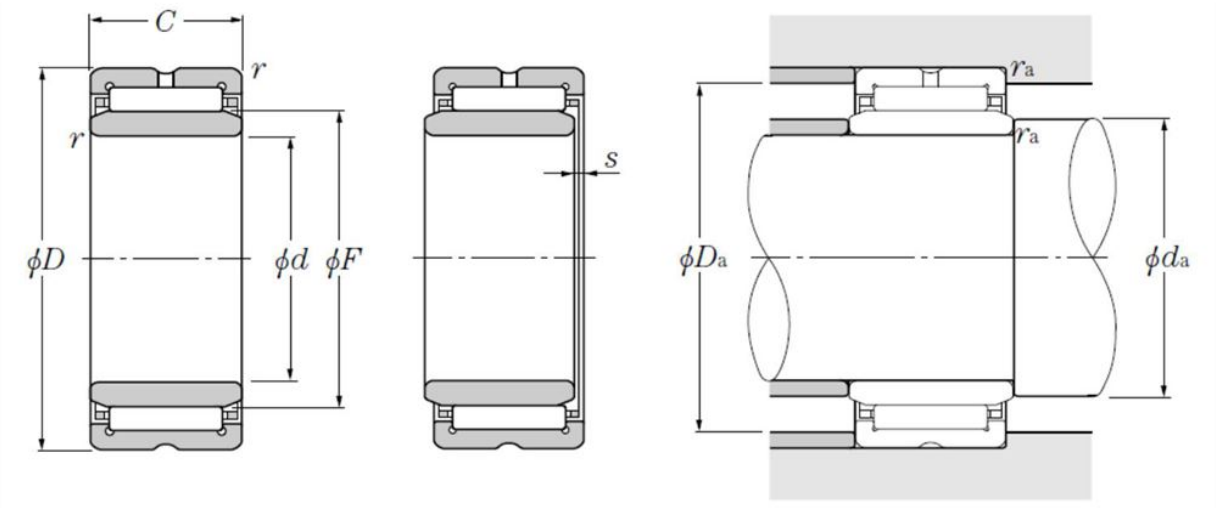
# Technical datasheet

## MR303920

Needle roller bearing, machined-ring, without inner ring



## Visual(s)




## Product definition

| | |
|---|---|
| **Fw** | 47.62 mm |
| **D** | 61.91 mm |
| **C** | 31.75 mm |
| **rs min** | 1.5 mm |
| **Dw** | 4.5 mm |
| **Lw** | 25.8 mm |
| **Lubrication hole on outer ring** | Oui/Yes |
| **k** | 3 mm |
| **Radial clearance class** | CN |
| **Precision class** | P0 |
| **Mass** | 0.22 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Cr** | 59 kN |
| **C0r** | 105 kN |
| **Nlim (grease)** | 5,500 rpm |
| **Nlim (oil)** | 8,500 rpm |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.46 Hz |
| **Characteristic rolling element frequency, BSF** | 11.5 Hz |
| **Characteristic outer ring frequency, BPF0** | 10.96 Hz |
| **Characteristic inner ring frequency, BPFI** | 13.04 Hz |

## Abutment dimensions

| | |
|---|---|
| **Da max** | 55.5 mm |
| **ras max** | 1.5 mm |