

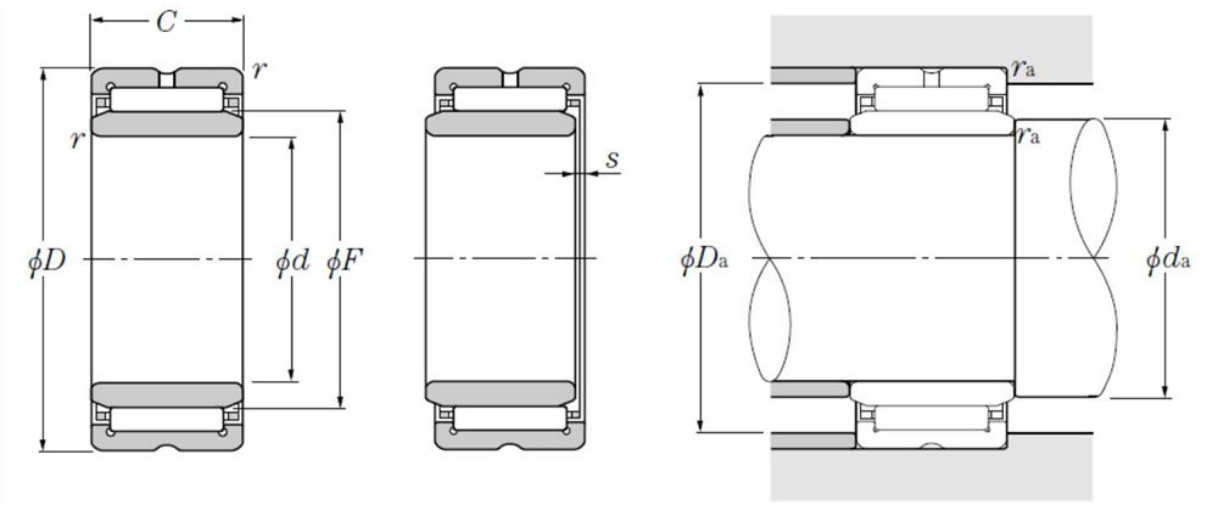
# Technical data

## NK16/16R+1R12X16X16

Needle roller bearing, machined-ring, with inner ring

Needle roller bearing, machined-rings, with inner ring, double-side ribs, lubrication hole

## Visual(s)




## Product definition

| | |
|---|---|
| **d** | 12 mm |
| **D** | 24 mm |
| **C** | 16 mm |
| **F** | 16 mm |
| **rs min** | 0.3 mm |
| **s max** | 0.5 mm |
| **Dw** | 2.5 mm |
| **Lw** | 12.8 mm |
| **Lubrication hole on outer ring** | Non/No |
| **Inner ring reference** | 1R12X16X16 |
| **Lubrication hole on inner ring** | Non/No |
| **Radial clearance class** | CN |
| **Precision class** | P0 |
| **Mass** | 0.03 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Cr** | 12.2 kN |
| **C0r** | 14.9 kN |
| **Nlim (grease)** | 15,000 Tr/min |
| **Nlim (oil)** | 23,000 Tr/min |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.43 Hz |
| **Characteristic rolling element frequency, BSF** | 7.26 Hz |
| **Characteristic outer ring frequency, BPF0** | 6.05 Hz |
| **Characteristic inner ring frequency, BPFI** | 7.95 Hz |

## Abutment dimensions

| | |
|---|---|
| **da min** | 14 mm |
| **Da max** | 22 mm |
| **ras max** | 0.3 mm |