

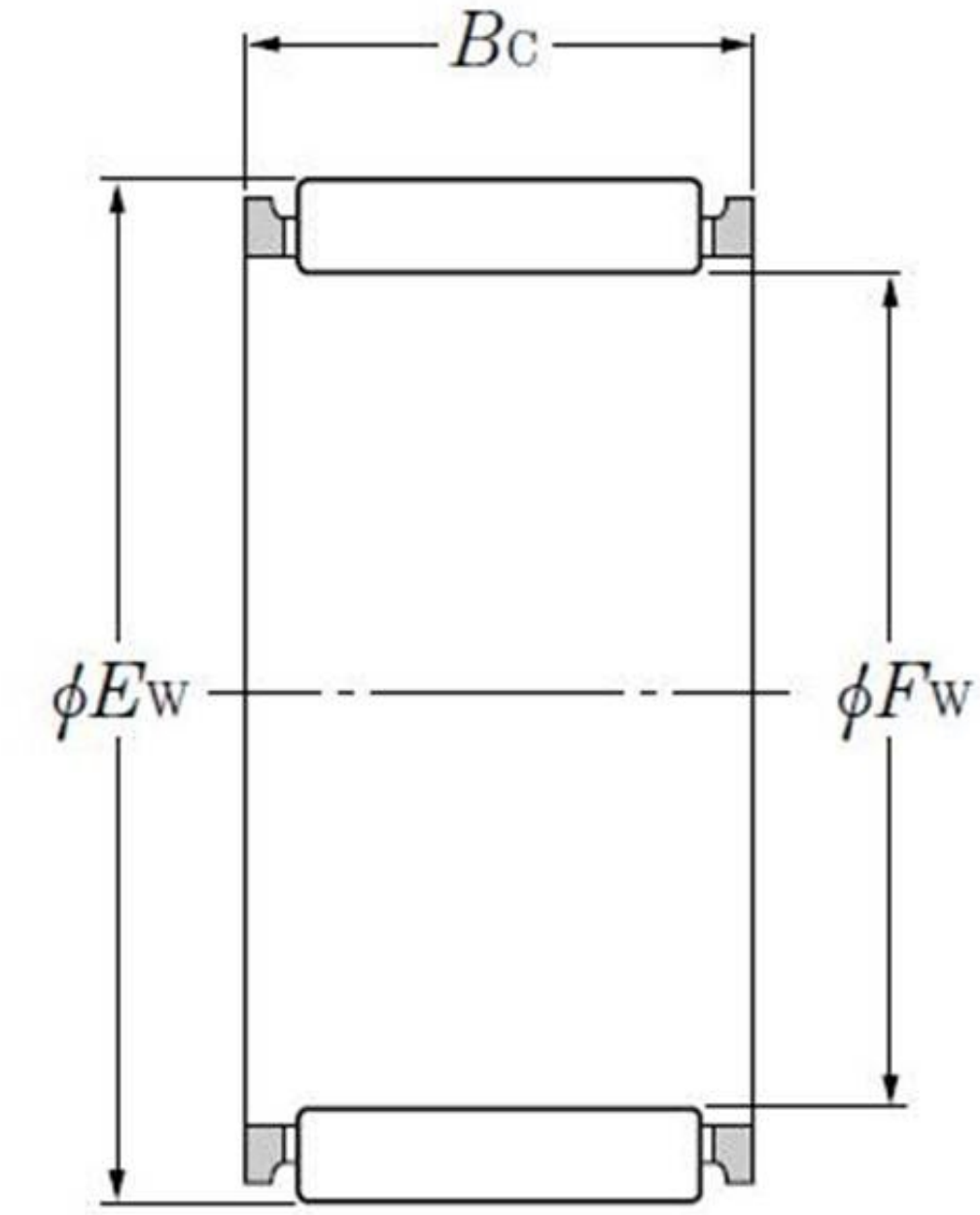
# Technical datasheet

## K100X107X21

Needle roller and cage assemblies

Needle roller bearing, cage assembly, steel cage

## Visual(s)



## Product definition

| | |
|---|---|
| **Fw** | 100 mm |
| **Ew** | 107 mm |
| **Bc** | 21 mm |
| **Dw** | 3.5 mm |
| **Lw** | 15.8 mm |
| **Mass** | 0.12 kg |
| **Brand** | NTN |

## Product performance

| | |
|---|---|
| **Cr** | 47.5 kN |
| **C0r** | 122 kN |
| **Nlim (grease)** | 2,700 rpm |
| **Nlim (oil)** | 4,000 rpm |
| **Min operating temperature, Tmin** | -20 °C |
| **Max operating temperature, Tmax** | 120 °C |
| **Characteristic cage frequency, FTF** | 0.48 Hz |
| **Characteristic rolling element frequency, BSF** | 29.54 Hz |
| **Characteristic outer ring frequency, BPF0** | 27.05 Hz |
| **Characteristic inner ring frequency, BPFI** | 28.95 Hz |

## Abutment dimensions

| | |
|---|---|
| **b** | 21 mm |