



## Technical datasheet

### K16X22X12

Needle roller and cage assemblies

Needle roller bearing, cage assembly, steel cage

#### Visual(s)



| Product definition |         |
|--------------------|---------|
| <b>Fw</b>          | 16 mm   |
| <b>Ew</b>          | 22 mm   |
| <b>Bc</b>          | 12 mm   |
| <b>Dw</b>          | 3 mm    |
| <b>Lw</b>          | 9.8 mm  |
| <b>Mass</b>        | 0.01 kg |
| <b>Brand</b>       | NTN     |

| Product performance                                  |            |
|------------------------------------------------------|------------|
| <b>Cr</b>                                            | 11.7 kN    |
| <b>C0r</b>                                           | 12.5 kN    |
| <b>Nlim (grease)</b>                                 | 15,000 rpm |
| <b>Nlim (oil)</b>                                    | 23,000 rpm |
| <b>Min operating temperature, Tmin</b>               | -20 °C     |
| <b>Max operating temperature, Tmax</b>               | 120 °C     |
| <b>Characteristic cage frequency, FTF</b>            | 0.42 Hz    |
| <b>Characteristic rolling element frequency, BSF</b> | 6.18 Hz    |
| <b>Characteristic outer ring frequency, BPF0</b>     | 5.05 Hz    |
| <b>Characteristic inner ring frequency, BPF1</b>     | 6.95 Hz    |

| Abutment dimensions |       |
|---------------------|-------|
| <b>b</b>            | 12 mm |