



## Technical datasheet

### K40X45X13

Needle roller and cage assemblies

Needle roller bearing, cage assembly, steel cage

#### Visual(s)



| Product definition |         |
|--------------------|---------|
| <b>Fw</b>          | 40 mm   |
| <b>Ew</b>          | 45 mm   |
| <b>Bc</b>          | 13 mm   |
| <b>Dw</b>          | 2.5 mm  |
| <b>Lw</b>          | 9.8 mm  |
| <b>Mass</b>        | 0.02 kg |
| <b>Brand</b>       | NTN     |

| Product performance                                  |            |
|------------------------------------------------------|------------|
| <b>Cr</b>                                            | 16.5 kN    |
| <b>C0r</b>                                           | 29.2 kN    |
| <b>Nlim (grease)</b>                                 | 6,500 rpm  |
| <b>Nlim (oil)</b>                                    | 10,000 rpm |
| <b>Min operating temperature, Tmin</b>               | -20 °C     |
| <b>Max operating temperature, Tmax</b>               | 120 °C     |
| <b>Characteristic cage frequency, FTF</b>            | 0.47 Hz    |
| <b>Characteristic rolling element frequency, BSF</b> | 16.94 Hz   |
| <b>Characteristic outer ring frequency, BPF0</b>     | 14.12 Hz   |
| <b>Characteristic inner ring frequency, BRF1</b>     | 15.88 Hz   |

| Abutment dimensions |       |
|---------------------|-------|
| <b>b</b>            | 13 mm |