

**NK12/12-OS-XL** [↗](#)

Needle roller bearing

Needle roller bearings NK, light series

X-life

Technical information



Your current product variant

| | | |
|-----------------|----------|--------------------|
| Lubricant | Without | |
| Cage | Standard | |
| Cage feature | Standard | |
| Tolerance class | PN | Normal (DIN 620-2) |

Main Dimensions & Performance Data

| | | |
|-------------|--------------|-----------------------------------|
| F_w | 12 mm | Under roller diameter |
| D | 19 mm | Outside diameter |
| C | 12 mm | Width, outer ring |
| C_r | 7.200 N | Basic dynamic load rating, radial |
| C_{0r} | 7.100 N | Basic static load rating, radial |
| C_{ur} | 1.310 N | Fatigue load limit, radial |
| n_G | 26.500 1/min | Limiting speed |
| n_{gr} | 22.400 1/min | Reference speed |
| $\approx m$ | 12,05 g | Weight |

Dimensions

| | | |
|-----------|--------|---------------------------|
| r_{min} | 0,3 mm | Minimum chamfer dimension |
|-----------|--------|---------------------------|








Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |

Additional information

| | |
|-----------|----------------|
| G12X19X3 | Sealing ring |
| SD12X19X3 | Sealing ring 2 |

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Small design envelope