

**NK47/20-XL**

Needle roller bearing

Schaeffler ID:
0507543600000

Needle roller bearings NK, light series

X-life

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|-------------|-----------------------------------|
| F_w | 47 mm | Under roller diameter |
| D | 57 mm | Outside diameter |
| C | 20 mm | Width, outer ring |
| C_r | 32,500 N | Basic dynamic load rating, radial |
| C_{0r} | 56,000 N | Basic static load rating, radial |
| C_{ur} | 10,100 N | Fatigue load limit, radial |
| n_G | 9,800 1/min | Limiting speed |
| n_{gr} | 6,000 1/min | Reference speed |
| | 93.34 g | Weight |

Additional information

| | | |
|-----------|--------|---------------------------|
| r_{min} | 0.3 mm | Minimum chamfer dimension |
|-----------|--------|---------------------------|

Temperature range

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