

**NK45/30-TV-XL**

Needle roller bearing

Schaeffler ID:  
0507543510000

Needle roller bearings NK, light series

X-life

## Technical information

**Main Dimensions & Performance Data**

|          |              |                                   |
|----------|--------------|-----------------------------------|
| $F_w$    | 45 mm        | Under roller diameter             |
| $D$      | 55 mm        | Outside diameter                  |
| $C$      | 30 mm        | Width, outer ring                 |
| $C_r$    | 52,000 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 103,000 N    | Basic static load rating, radial  |
| $C_{ur}$ | 19,500 N     | Fatigue load limit, radial        |
| $n_G$    | 10,200 1/min | Limiting speed                    |
| $n_{gr}$ | 5,700 1/min  | Reference speed                   |
|          | 129.45 g     | Weight                            |

**Additional information**

|           |           |                           |
|-----------|-----------|---------------------------|
| $r_{min}$ | 0.3 mm    | Minimum chamfer dimension |
|           | G45X55X4  | Sealing ring              |
|           | SD45X55X4 | Sealing ring 2            |

**Temperature range**

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -20 °C | Operating temperature min. |
| $T_{max}$ | 120 °C | Operating temperature max. |