

NAO35X50X17-XL

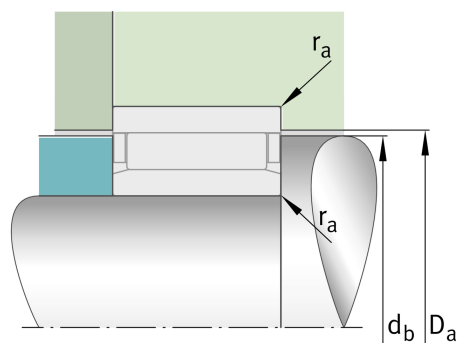
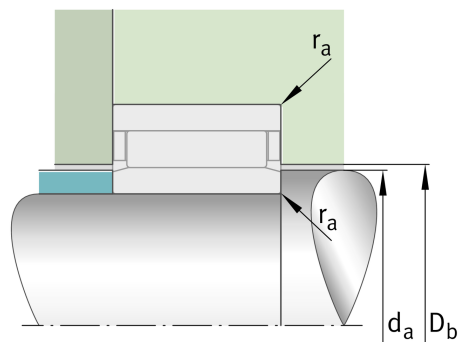
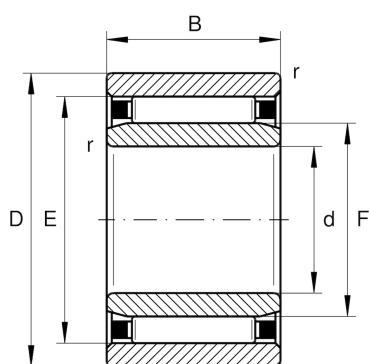
Needle roller bearing

Schaeffler ID:
0507781290000

Needle roller bearings NAO, without ribs

X-life

Technical information



Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| d | 35 mm | Bore diameter |
| D | 50 mm | Outside diameter |
| B | 17 mm | Width |
| C_r | 24.200 N | Basic dynamic load rating, radial |
| C_{0r} | 41.500 N | Basic static load rating, radial |
| C_{ur} | 6.600 N | Fatigue load limit, radial |
| n_G | 11.500 1/min | Limiting speed |
| n_{gr} | 6.500 1/min | Reference speed |
| | 0,113 kg | Weight |

Dimensions

| | | |
|-----------|--------|-----------------------------|
| F | 40 mm | Raceway diameter inner ring |
| E | 45 mm | Raceway diameter outer ring |
| r_{min} | 0,3 mm | Minimum chamfer dimension |
| s | 0,8 mm | Axial displacement |

Mounting dimensions

| | | |
|--------------|---------|---|
| d_a | 39,5 mm | Mounting dimension |
| D_b | 40,6 mm | Shoulder diameter axial guidance NK/housing |
| d_b | 44,4 mm | Shoulder diameter axial guidance NK/shaft |
| D_a | 45,5 mm | Shoulder diameter outer ring |
| $r_{a\ max}$ | 0,3 mm | Maximum recess radius |

Temperature range

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

