View product details on medias

24.05.2026, 08:10:03 UTC

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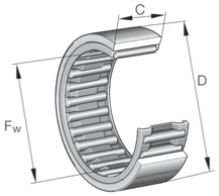


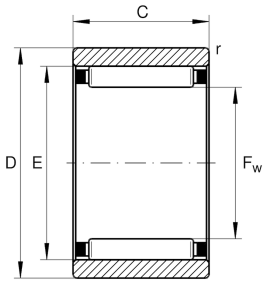
RNAO5X10X8-TV-XL

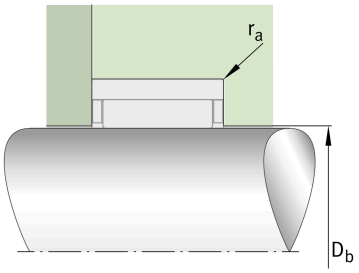
Needle roller bearing

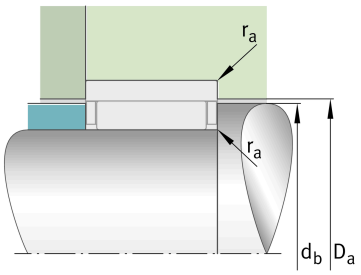
Needle roller bearings RNAO, without ribs

X-life

Technical information







Your current product variant

Cage	TV	Plastic Cage made from PA66

Main Dimensions & Performance Data

F_w	5 mm	Under roller diameter
D	10 mm	Outside diameter
C	8 mm	Width, outer ring
C_r	2.650 N	Basic dynamic load rating, radial
C_{0r}	1.920 N	Basic static load rating, radial
C_{ur}	300 N	Fatigue load limit, radial
n_G	39.000 1/min	Limiting speed
$n_{\vartheta r}$	53.000 1/min	Reference speed
≈m	0,002 kg	Weight

Mounting dimensions

D_b	5,3 mm	Shoulder diameter axial guidance NK/housing
d_b	7,7 mm	Shoulder diameter axial guidance NK/shaft
D_a	8,3 mm	Shoulder diameter outer ring
$r_{a\,max}$	0,1 mm	Maximum recess radius

The data sheet only contains an overview of the technical data of the selected product. Please refer to the additional documentation for this product. For further information, please use the following link on our website: Contact form

Dimensions

E	8 mm	Raceway diameter outer ring
r_{min}	0,15 mm	Minimum chamfer dimension

Temperature range

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

Characteristics

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

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