

RNAO7X14X8-TV-XL

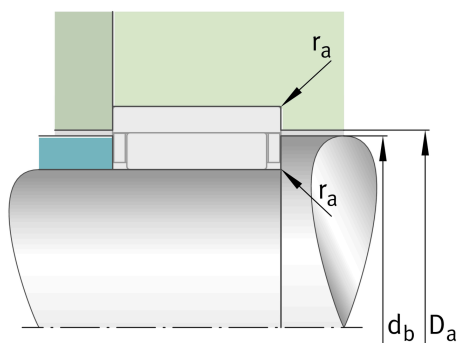
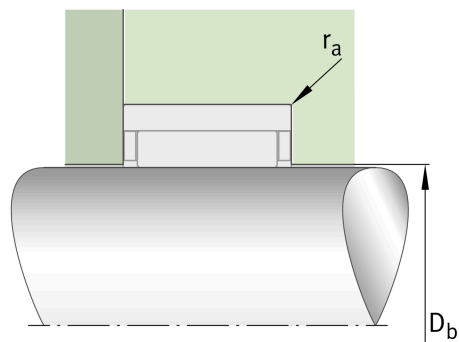
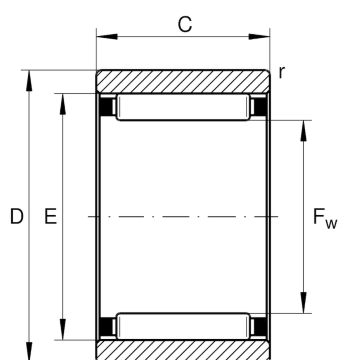
Needle roller bearing

Schaeffler ID:
0507757660000

Needle roller bearings RNAO, without ribs

X-life

Technical information



Main Dimensions & Performance Data

F_w	7 mm	Under roller diameter
D	14 mm	Outside diameter
C	8 mm	Width, outer ring
C_r	3,250 N	Basic dynamic load rating, radial
C_{0r}	2,650 N	Basic static load rating, radial
C_{ur}	420 N	Fatigue load limit, radial
n_G	34,500 1/min	Limiting speed
n_{gr}	41,500 1/min	Reference speed
	6 g	Weight

Dimensions

E	10 mm	Raceway diameter outer ring
r_{min}	0.3 mm	Minimum chamfer dimension

Mounting dimensions

D_b	7.3 mm	Shoulder diameter axial guidance NK/housing
d_b	9.7 mm	Shoulder diameter axial guidance NK/shaft
D_a	10.3 mm	Shoulder diameter outer ring
$r_{a max}$	0.3 mm	Maximum recess radius

Temperature range

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