

RNAO30X42X16-XL

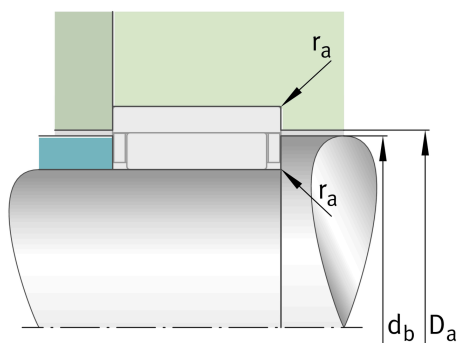
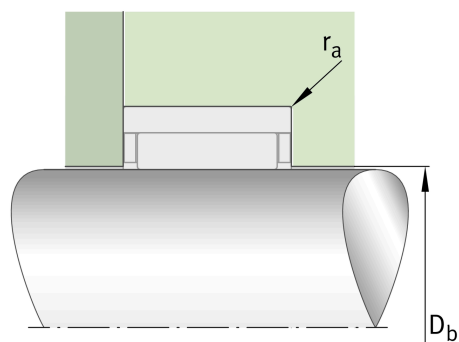
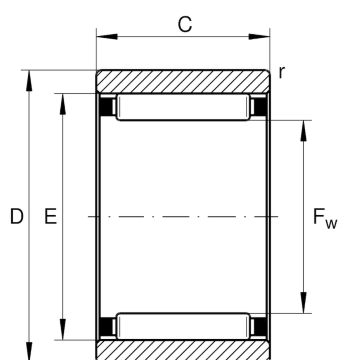
Needle roller bearing

Schaeffler ID:
0507759520000

Needle roller bearings RNAO, without ribs

X-life

Technical information



Main Dimensions & Performance Data

F_w	30 mm	Under roller diameter
D	42 mm	Outside diameter
C	16 mm	Width, outer ring
C_r	26,000 N	Basic dynamic load rating, radial
C_{0r}	33,500 N	Basic static load rating, radial
C_{ur}	5,600 N	Fatigue load limit, radial
n_G	14,600 1/min	Limiting speed
n_{gr}	8,500 1/min	Reference speed
	59 g	Weight

Dimensions

E	37 mm	Raceway diameter outer ring
r_{min}	0.3 mm	Minimum chamfer dimension

Mounting dimensions

D_b	30.6 mm	Shoulder diameter axial guidance NK/housing
d_b	36.4 mm	Shoulder diameter axial guidance NK/shaft
D_a	37.5 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.