

NAO20X37X16-XL

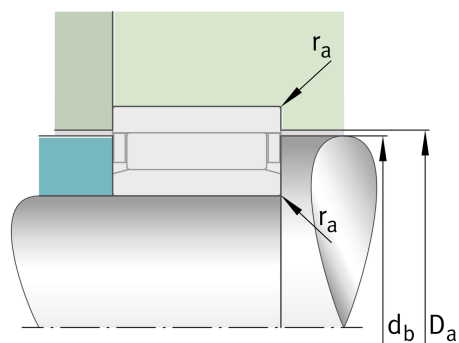
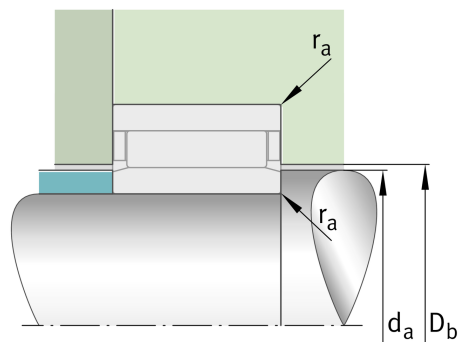
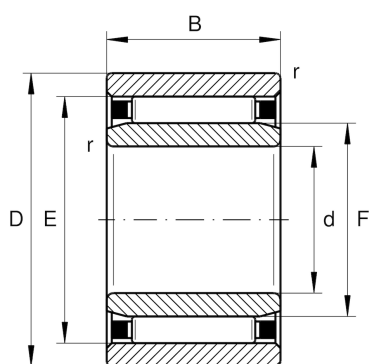
Needle roller bearing

Schaeffler ID:
0507780300000

Needle roller bearings NAO, without ribs

X-life

Technical information



Main Dimensions & Performance Data

d	20 mm	Bore diameter
D	37 mm	Outside diameter
B	16 mm	Width
C_r	23.500 N	Basic dynamic load rating, radial
C_{0r}	27.500 N	Basic static load rating, radial
C_{ur}	4.650 N	Fatigue load limit, radial
n_G	17.200 1/min	Limiting speed
n_{gr}	9.100 1/min	Reference speed
	83,14 g	Weight

Dimensions

F	25 mm	Raceway diameter inner ring
E	32 mm	Raceway diameter outer ring
r_{min}	0,3 mm	Minimum chamfer dimension
s	0,5 mm	Axial displacement

Mounting dimensions

d_a	24,5 mm	Mounting dimension
D_b	25,6 mm	Shoulder diameter axial guidance NK/housing
d_b	31,4 mm	Shoulder diameter axial guidance NK/shaft
D_a	32,5 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.

