



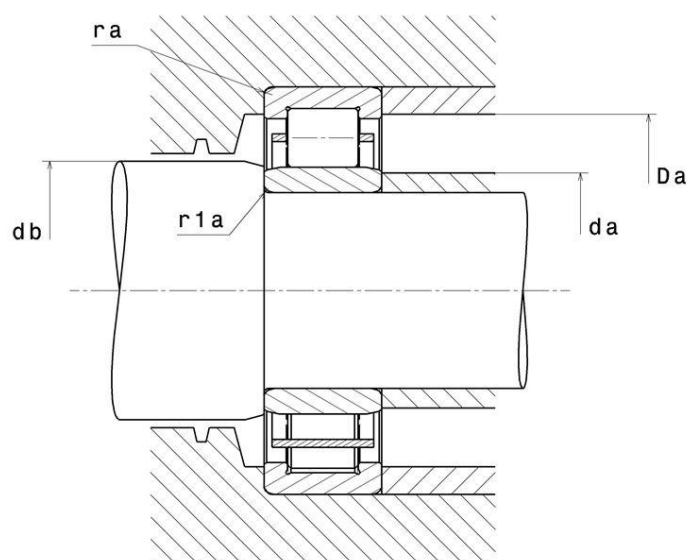
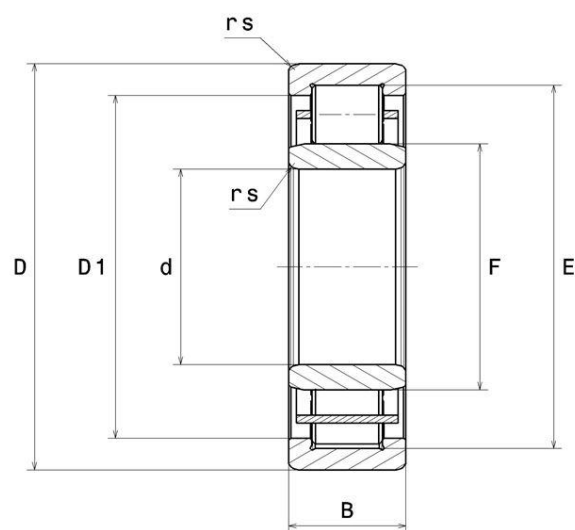
Technical data

NU310C3

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, separable, pressed steel cage

VISUAL (S)



PRODUCT DEFINITION

Brand	NTN
d - Internal diameter	50 mm
D - External diameter	110 mm
B - Bearing/Inner ring width	27 mm
E - Upper roller diameter	95 mm
F - Under roller diameter	65 mm
rs - Min fillet radius	2 mm
r1s - Min fillet radius	2 mm
Radial clearance class	C3
Mass	1,14 kg

PRODUCT PERFORMANCE

C - Dynamic load	96500000 mN
C0 - Static load	86000000 mN
Cu - Fatigue limit load	10500000 mN
N lim - Oil lubrication limit speed	46200 °/s
N lim - Grease lubrication limit speed	39000 °/s
Tmin - Min operating temperature	233,15 °K
Tmax - Max operating temperature	393,15 °K

ABUTMENT

da min - Min shoulder diameter IR	59 mm
da max - Small face shoulder max diameter	63 mm
db min - Min inner ring GO diameter	67 mm
Da max - Max shoulder diameter OR	101 mm



NTN Europe

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ABUTMENT

ra max - Max fillet radius	2 mm
r1a - Max fillet radius	2 mm

INDUSTRY CALCUL FACTORS

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$P_0 = Fr$$



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