Technical datasheet

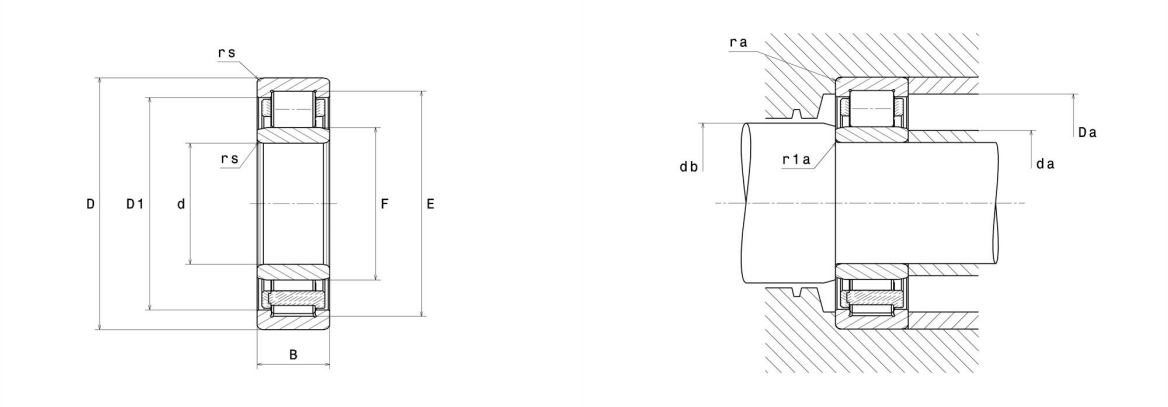
NU1044C3

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, brass cage

Visual(s)



Product definition

d	220 mm
D	340 mm
B	56 mm
E	310 mm
F	250 mm
D1	299 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	18.3 kg
Brand	NTN

Product performance

Dynamic load, C	500 kN
Static load, C0	750 kN
Nlim (oil)	2,300 rpm
Nlim (grease)	2,000 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	9.23 Hz
Characteristic outer ring frequency, BPF0	10.27 Hz
Characteristic inner ring frequency, BPFI	12.73 Hz

Abutment dimensions

da min	233 mm
da max	248 mm
db min	254 mm
Da max	327 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr