Technical data

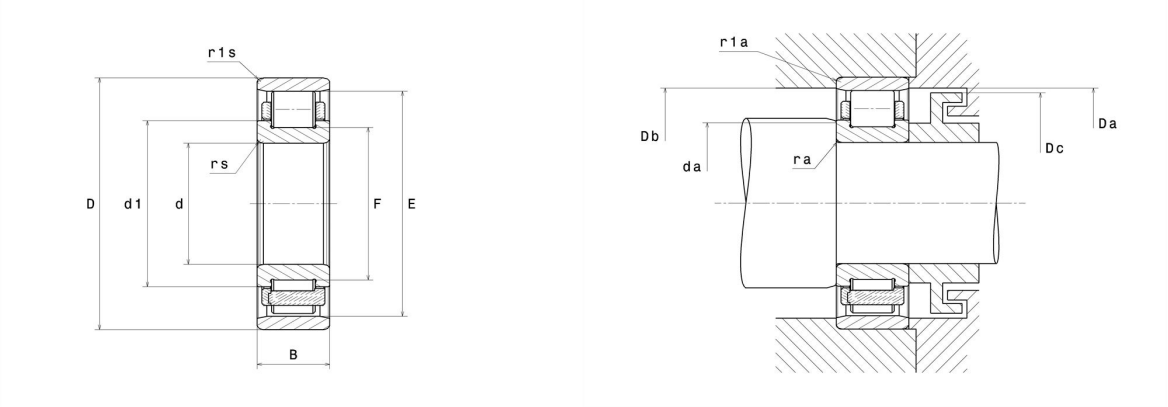
N319EG1C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	95 mm
D	200 mm
B	45 mm
E	177.5 mm
F	121.5 mm
d1	132.7 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C3
Mass (without HJ ring)	6.47 kg
Brand	NTN

Product performance

Dynamic load, C	335 kN
Static load, C0	385 kN
Fatigue limit load, Cu	41.8 kN
Nlim (oil)	3,600 Tr/min
Nlim (grease)	3,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.15 Hz
Characteristic outer ring frequency, BPF0	5.69 Hz
Characteristic inner ring frequency, BPFI	8.31 Hz

Abutment dimensions

da min	108 mm
Da max	187 mm
Db min	180 mm
Dc max	175 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$