Technical data

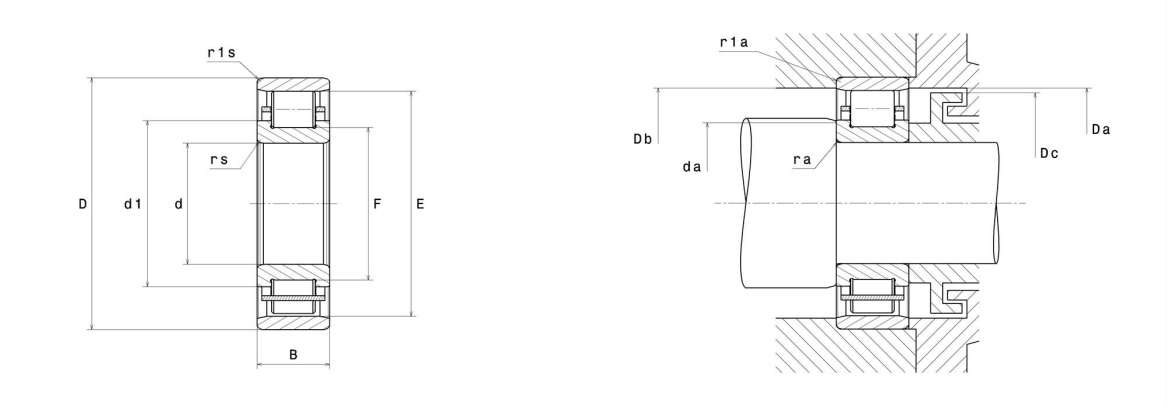
N319

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	95 mm
D	200 mm
B	45 mm
E	173.5 mm
F	121.5 mm
d1	132 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	6.26 kg
Brand	NTN

Product performance

Dynamic load, C	259 kN
Static load, C0	285 kN
Fatigue limit load, Cu	30.9 kN
Nlim (oil)	4,000 Tr/min
Nlim (grease)	3,400 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	5.5 Hz
Characteristic outer ring frequency, BPF0	5.35 Hz
Characteristic inner ring frequency, BPFI	7.65 Hz

Abutment dimensions

da min	108 mm
Da max	187 mm
Db min	176 mm
Dc max	171 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$