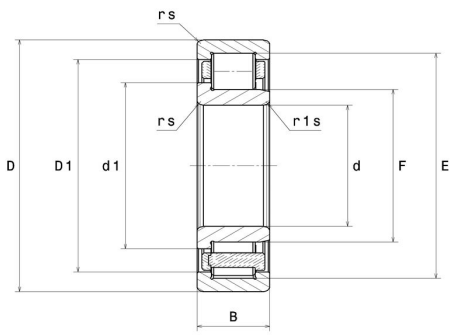
Technical datasheet

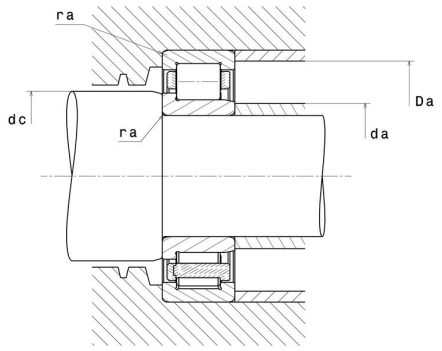
NJ319EG1C4

Single row cylindrical roller bearings

Single row cylindrical roller bearing, single direction for axial loads, 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	C4
Mass (without HJ ring)	6.9 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 rpm
Nlim (grease)	3,100 rpm
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	119 mm
dc min	134 mm
Da max	187 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$