Technical data

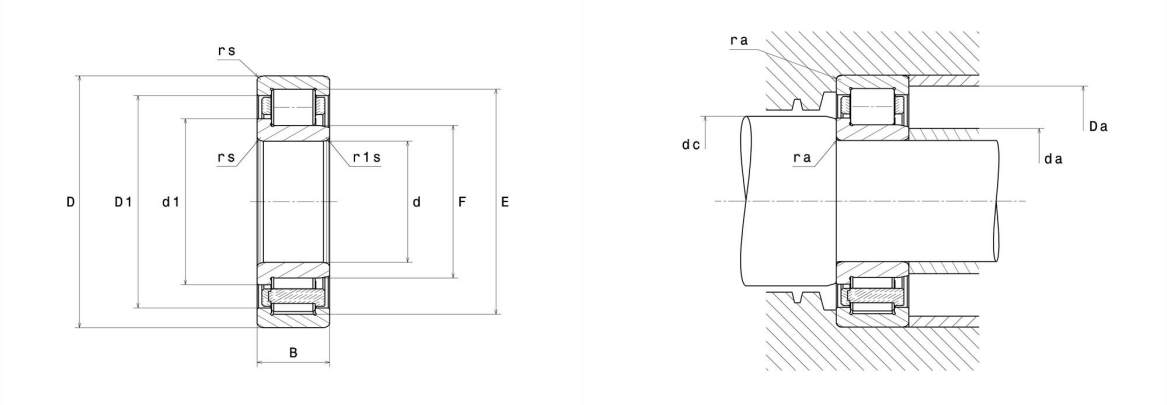
NJ310EG1C3

Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, separable, brass cage.

Visual(s)



Product definition

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.4 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.26 kg
Brand	NTN

Product performance

Dynamic load, C	110 kN
Static load, C0	113 kN
Fatigue limit load, Cu	13.8 kN
Nlim (oil)	6,900 Tr/min
Nlim (grease)	5,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.86 Hz
Characteristic outer ring frequency, BPF0	5.22 Hz
Characteristic inner ring frequency, BPFI	7.78 Hz

Abutment dimensions

da min	59 mm
da max	63 mm
dc min	73 mm
Da max	101 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$