Technical data

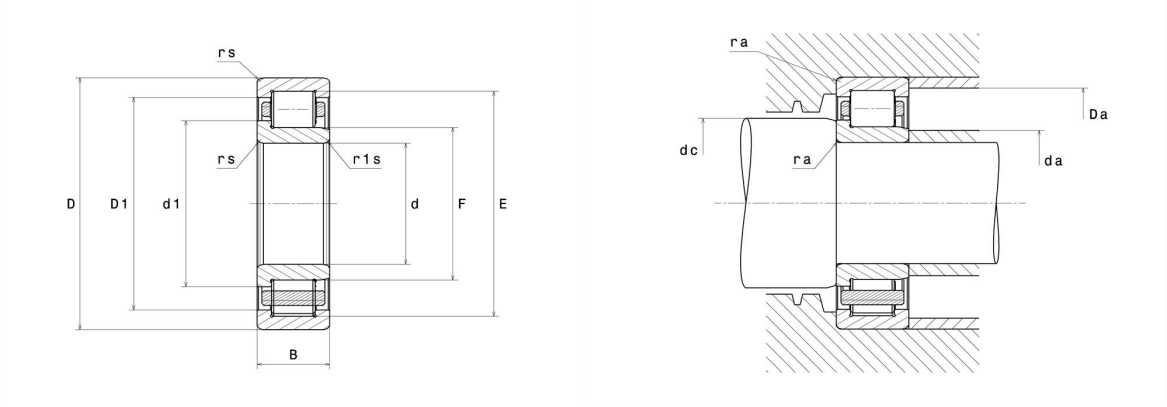
NJ313ET2XC3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	65 mm
D	140 mm
B	33 mm
E	124.5 mm
F	82.5 mm
d1	91 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	2.34 kg
Brand	NTN

Product performance

Dynamic load, C	181 kN
Static load, C0	191 kN
Fatigue limit load, Cu	23.1 kN
Nlim (oil)	5,400 Tr/min
Nlim (grease)	4,600 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.73 Hz
Characteristic outer ring frequency, BPF0	5.18 Hz
Characteristic inner ring frequency, BPFI	7.82 Hz

Abutment dimensions

da min	76 mm
da max	81 mm
dc min	93 mm
Da max	129 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$