Technical data

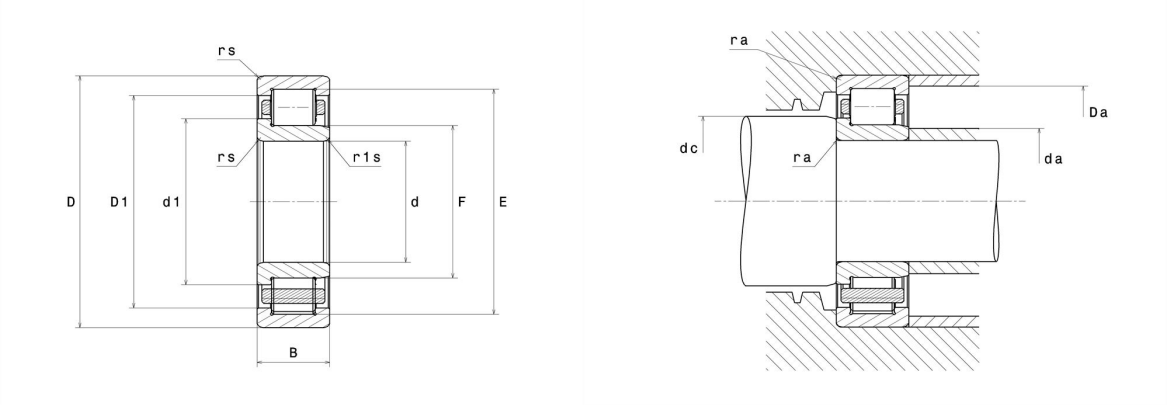
NJ2311ET2XC3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	55 mm
D	120 mm
B	43 mm
E	106.5 mm
F	70.5 mm
d1	77.7 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	2.23 kg
Brand	NTN

Product performance

Dynamic load, C	201 kN
Static load, C0	233 kN
Fatigue limit load, Cu	28.4 kN
Nlim (oil)	5,600 Tr/min
Nlim (grease)	4,700 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	4.71 Hz
Characteristic outer ring frequency, BPF0	5.18 Hz
Characteristic inner ring frequency, BPFI	7.82 Hz

Abutment dimensions

da min	64 mm
da max	69 mm
dc min	80 mm
Da max	111 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$