Technical data

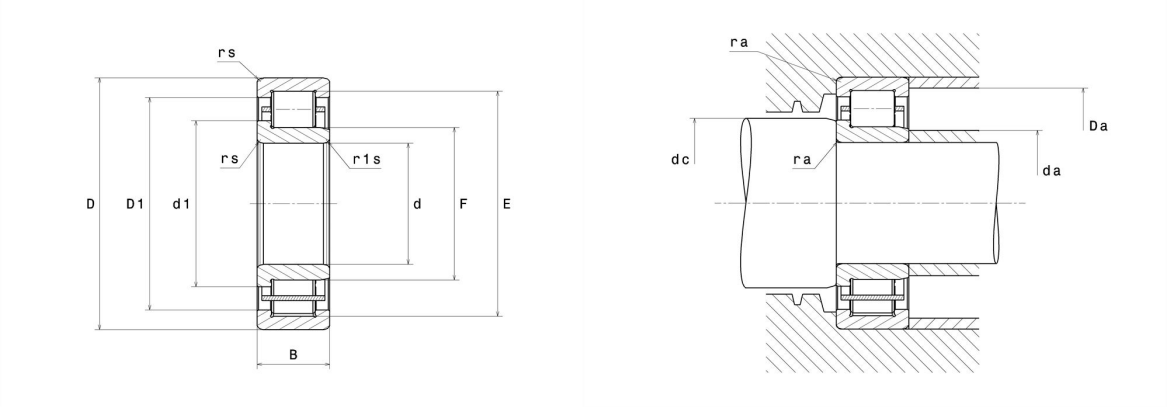
NJ2311C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	55 mm
D	120 mm
B	43 mm
E	104.5 mm
F	70.5 mm
d1	77.2 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	2.22 kg
Brand	NTN

Product performance

Dynamic load, C	148 kN
Static load, C0	162 kN
Fatigue limit load, Cu	19.8 kN
Nlim (oil)	6,100 Tr/min
Nlim (grease)	5,200 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	4.95 Hz
Characteristic outer ring frequency, BPF0	4.83 Hz
Characteristic inner ring frequency, BPFI	7.17 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

$P_0 = Fr$