Technical data

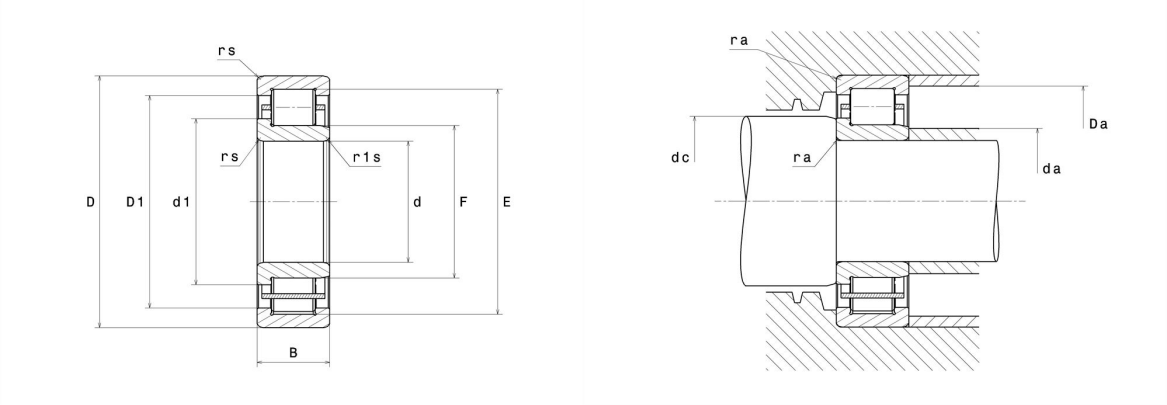
NJ411

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	140 mm
B	33 mm
E	117.2 mm
F	77.2 mm
d1	85.2 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	2.51 kg
Brand	NTN

Product performance

Dynamic load, C	139 kN
Static load, C0	138 kN
Fatigue limit load, Cu	16.8 kN
Nlim (oil)	5,000 Tr/min
Nlim (grease)	4,300 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	4.65 Hz
Characteristic outer ring frequency, BPF0	4.37 Hz
Characteristic inner ring frequency, BPFI	6.63 Hz

Abutment dimensions

da min	66 mm
da max	76 mm
dc min	87 mm
Da max	129 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$