Technical data

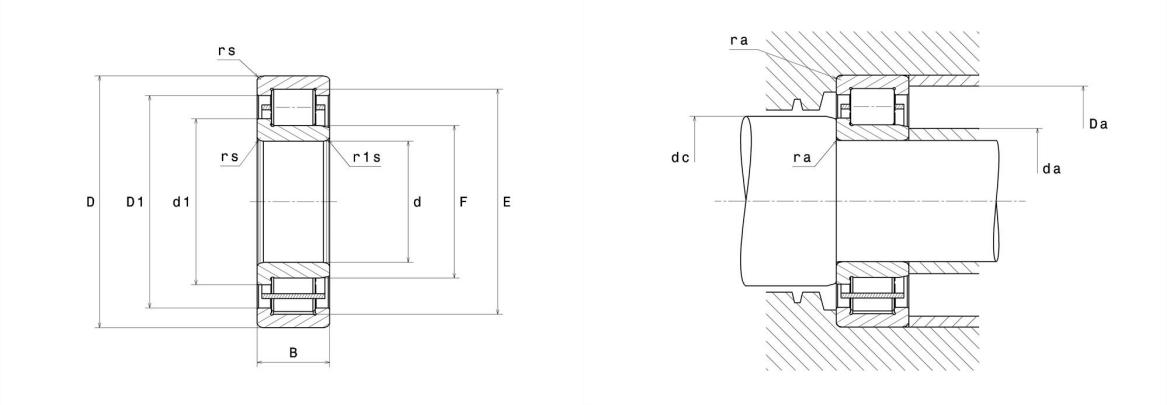
NJ208C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	40 mm
D	80 mm
B	18 mm
E	70 mm
F	50 mm
d1	54.2 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	C3
Mass (without HJ ring)	0.39 kg
Brand	NTN

Product performance

Dynamic load, C	43.5 kN
Static load, C0	43 kN
Fatigue limit load, Cu	5.2 kN
Nlim (oil)	11,000 Tr/min
Nlim (grease)	9,400 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.83 Hz
Characteristic outer ring frequency, BPF0	5.42 Hz
Characteristic inner ring frequency, BPFI	7.58 Hz

Abutment dimensions

da min	46.5 mm
da max	49 mm
dc min	56 mm
Da max	73.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$