Technical data

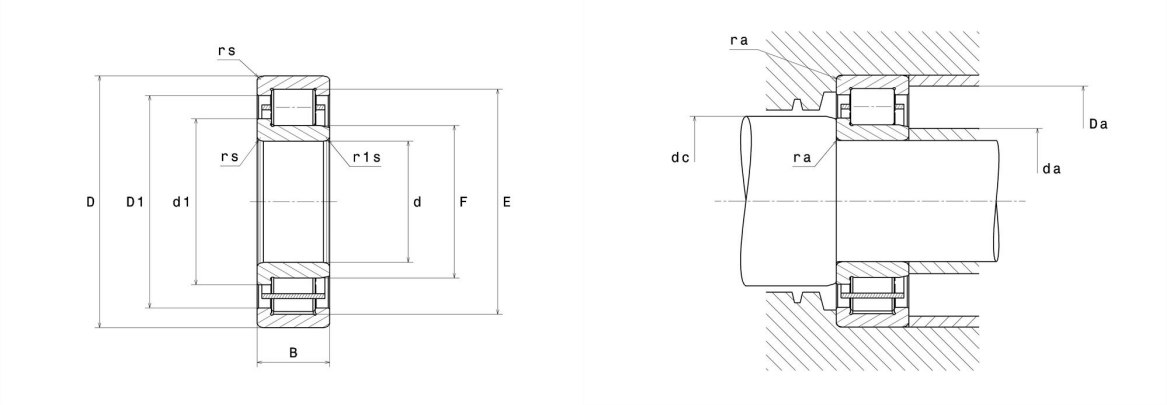
NJ209

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	45 mm
D	85 mm
B	19 mm
E	75 mm
F	55 mm
d1	59 mm
rs min	1.1 mm
r1s min	1.1 mm
Radial clearance class	CN
Mass (without HJ ring)	0.47 kg
Brand	NTN

Product performance

Dynamic load, C	46 kN
Static load, C0	47 kN
Fatigue limit load, Cu	5.7 kN
Nlim (oil)	9,900 Tr/min
Nlim (grease)	8,400 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	6.35 Hz
Characteristic outer ring frequency, BPF0	5.92 Hz
Characteristic inner ring frequency, BPFI	8.08 Hz

Abutment dimensions

da min	51.5 mm
da max	54 mm
dc min	61 mm
Da max	78.5 mm
ra max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$