Technical data

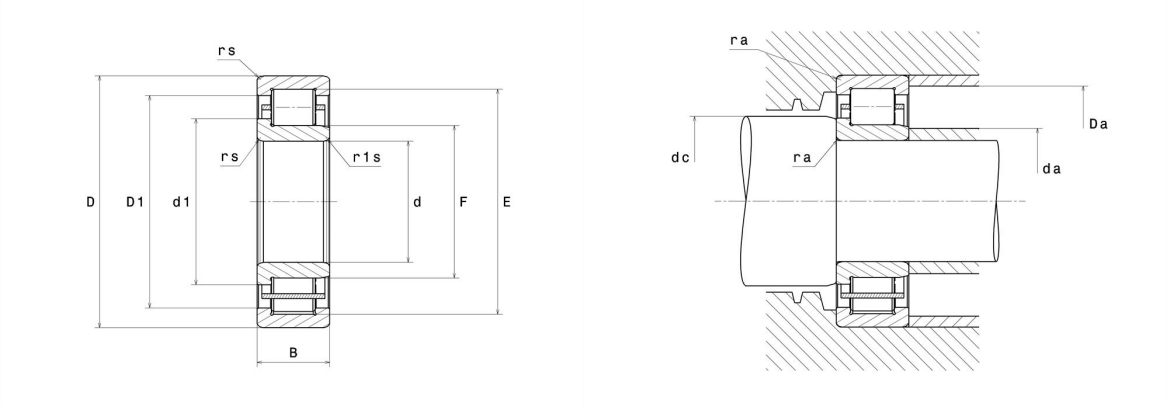
NJ416

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	80 mm
D	200 mm
B	48 mm
E	170 mm
F	110 mm
d1	122 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	7.44 kg
Brand	NTN

Product performance

Dynamic load, C	299 kN
Static load, C0	315 kN
Fatigue limit load, Cu	34.7 kN
Nlim (oil)	3,500 Tr/min
Nlim (grease)	3,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.45 Hz
Characteristic outer ring frequency, BPF0	4.32 Hz
Characteristic inner ring frequency, BPFI	6.68 Hz

Abutment dimensions

da min	93 mm
da max	109 mm
dc min	124 mm
Da max	187 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$