



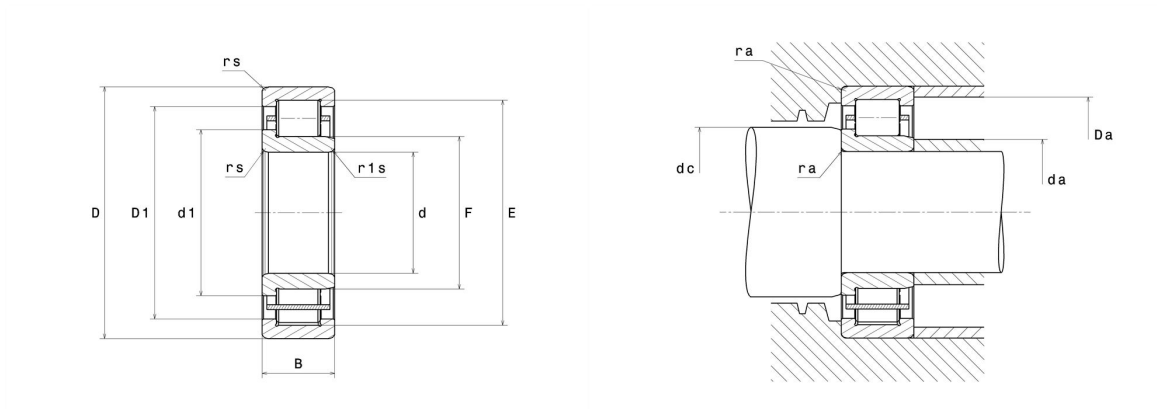
Technical datasheet

NJ415C4

Single row cylindrical roller bearings

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

Visual(s)



Product definition

d	75 mm
D	190 mm
B	45 mm
E	160.5 mm
F	104.5 mm
d1	116 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	C4
Mass (without HJ ring)	6.51 kg
Brand	NTN

Product performance

Dynamic load, C	262 kN
Static load, C0	274 kN
Fatigue limit load, Cu	30.7 kN
Nlim (oil)	3,700 rpm
Nlim (grease)	3,200 rpm
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.52 Hz
Characteristic outer ring frequency, BPF0	4.34 Hz
Characteristic inner ring frequency, BPFI	6.66 Hz

Abutment dimensions

da min	88 mm
da max	103 mm
dc min	118 mm
Da max	177 mm
ra max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$