



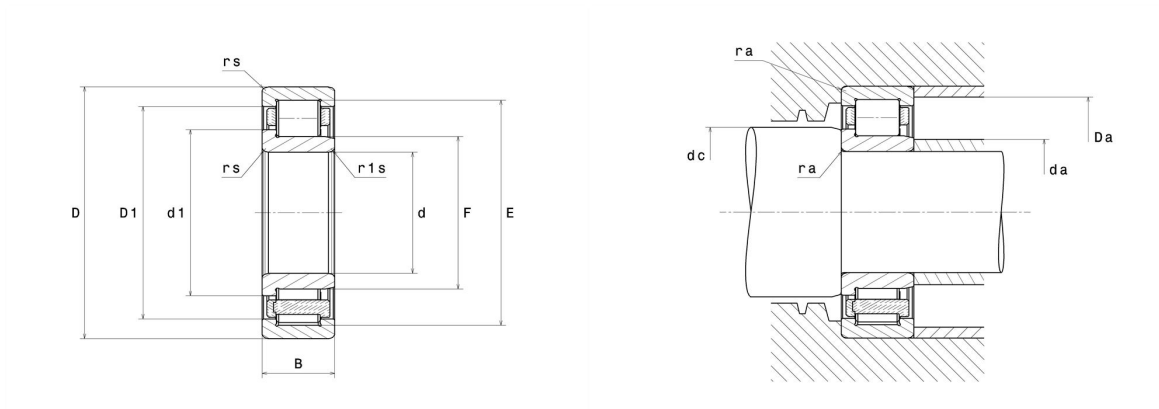
Technical data

NJ2218EG1

Single row cylindrical roller bearings

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

Visual(s)



Product definition

d	90 mm
D	160 mm
B	40 mm
E	145 mm
F	107 mm
d1	114.6 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	3.4 kg
Brand	NTN

Product performance

Dynamic load, C	242 kN
Static load, C0	315 kN
Fatigue limit load, Cu	35.9 kN
Nlim (oil)	4,100 Tr/min
Nlim (grease)	3,500 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	6.48 Hz
Characteristic outer ring frequency, BPF0	7.22 Hz
Characteristic inner ring frequency, BPFI	9.78 Hz

Abutment dimensions

da min	99 mm
da max	105 mm
dc min	116 mm
Da max	151 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$$P = Fr$$

Equivalent static radial load

$$Po = Fr$$