Technical data

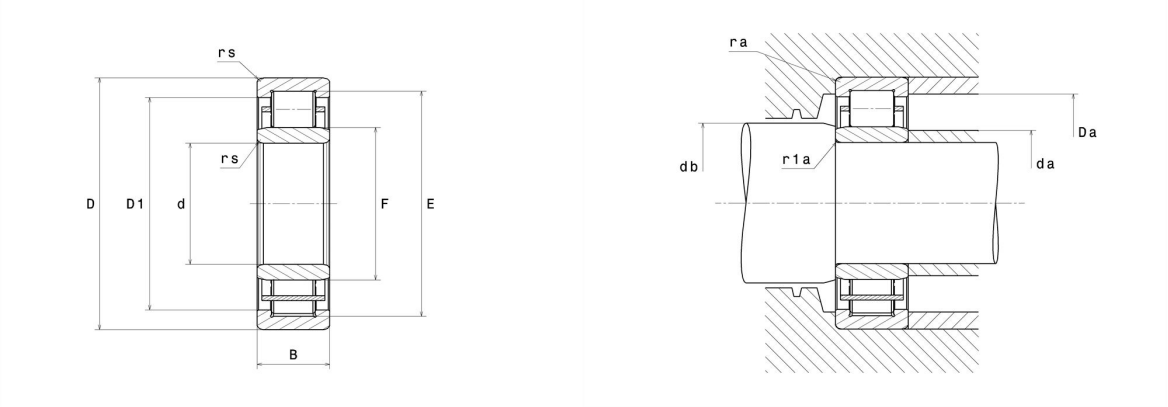
NU314

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, pressed steel cage

Visual(s)



Product definition

d	70 mm
D	150 mm
B	35 mm
E	130 mm
F	90 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	2.76 kg
Brand	NTN

Product performance

Dynamic load, C	158 kN
Static load, C0	168 kN
Fatigue limit load, Cu	19.9 kN
Nlim (oil)	5,500 Tr/min
Nlim (grease)	4,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.32 Hz
Characteristic outer ring frequency, BPF0	5.32 Hz
Characteristic inner ring frequency, BPFI	7.68 Hz

Abutment dimensions

da min	81 mm
da max	87 mm
db min	92 mm
Da max	139 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr