Technical data

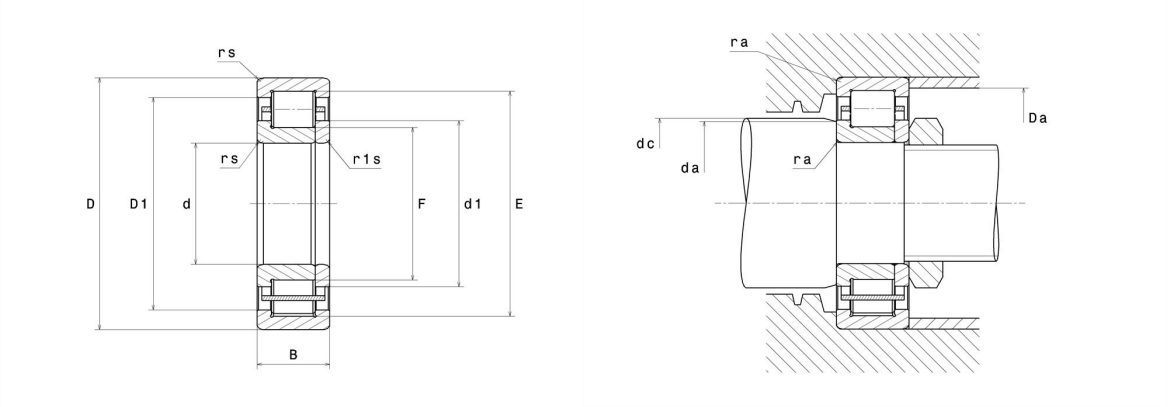
NUP313U

Single row cylindrical roller bearings

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



Visual(s)



Product definition

d	65 mm
D	140 mm
B	33 mm
E	121.5 mm
F	83.5 mm
d1	91 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	2.3 kg
Brand	NTN

Product performance

Dynamic load, C	135 kN
Static load, C0	139 kN
Fatigue limit load, Cu	16.8 kN
Nlim (oil)	6,000 Tr/min
Nlim (grease)	5,100 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	5.21 Hz
Characteristic outer ring frequency, BPF0	4.89 Hz
Characteristic inner ring frequency, BPFI	7.11 Hz

Abutment dimensions

da min	76 mm
dc min	93 mm
Da max	129 mm
ra max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$