

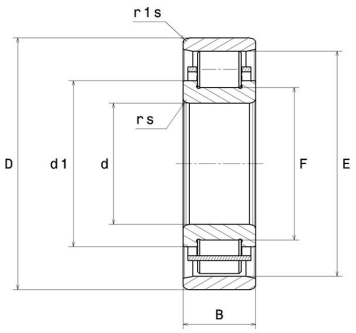
Technical data

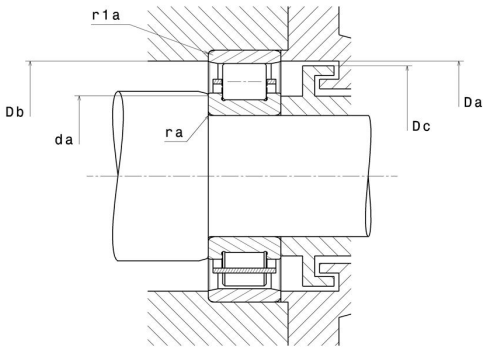
N313C3

Single row cylindrical roller bearings

Single row cylindrical roller bearing, floating, 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	C3
Mass (without HJ ring)	2.16 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
Da max	129 mm
Db min	124 mm
Dc max	120 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$