Technical data

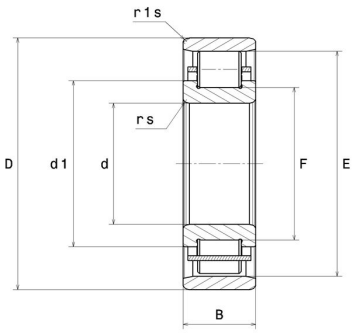
N312C3

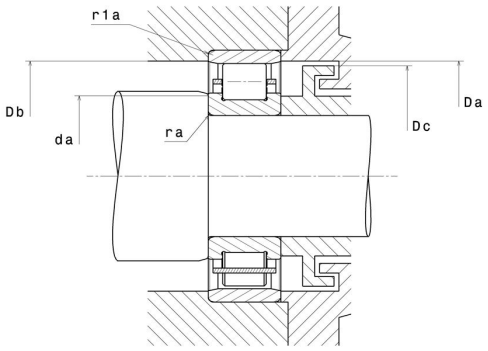
Single row cylindrical roller bearings

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



Visual(s)





Product definition

d	60 mm
D	130 mm
B	31 mm
E	113 mm
F	77 mm
d1	84.2 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	1.75 kg
Brand	NTN

Product performance

Dynamic load, C	124 kN
Static load, C0	126 kN
Fatigue limit load, Cu	15.4 kN
Nlim (oil)	6,500 Tr/min
Nlim (grease)	5,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	5.09 Hz
Characteristic outer ring frequency, BPF0	4.86 Hz
Characteristic inner ring frequency, BPFI	7.14 Hz

Abutment dimensions

da min	71 mm
Da max	119 mm
Db min	115 mm
Dc max	111 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$