Technical data

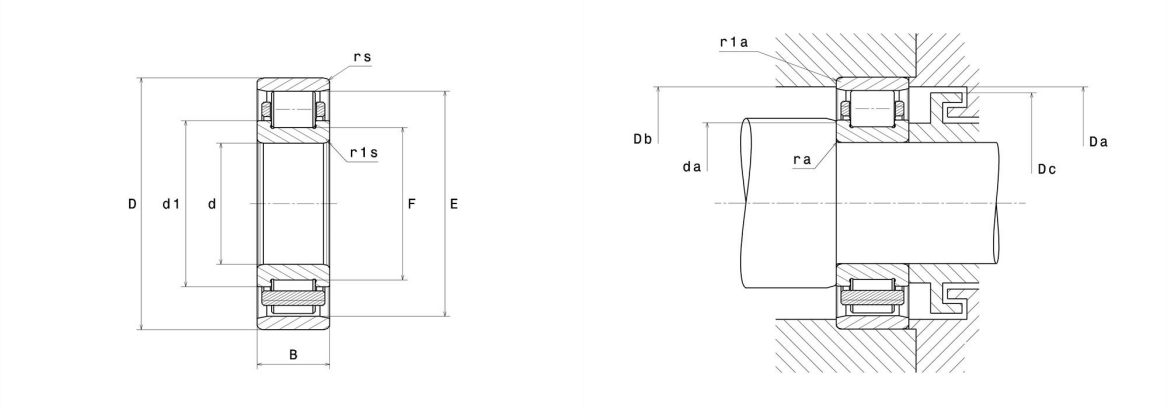
N.315.E.G15

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, polyamide cage

Visual(s)



Product definition

d	75 mm
D	160 mm
B	37 mm
E	143 mm
F	95 mm
d1	104.1 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	3.34 kg
Brand	SNR

Product performance

Dynamic load, C	240 kN
Static load, C0	263 kN
Fatigue limit load, Cu	30.4 kN
Nref	4,000 Tr/min
Nlim	5,200 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.76 Hz
Characteristic outer ring frequency, BPF0	5.19 Hz
Characteristic inner ring frequency, BPFI	7.81 Hz

Abutment dimensions

da min	86 mm
Da max	149 mm
Db min	145 mm
Dc max	141 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$