Technical datasheet

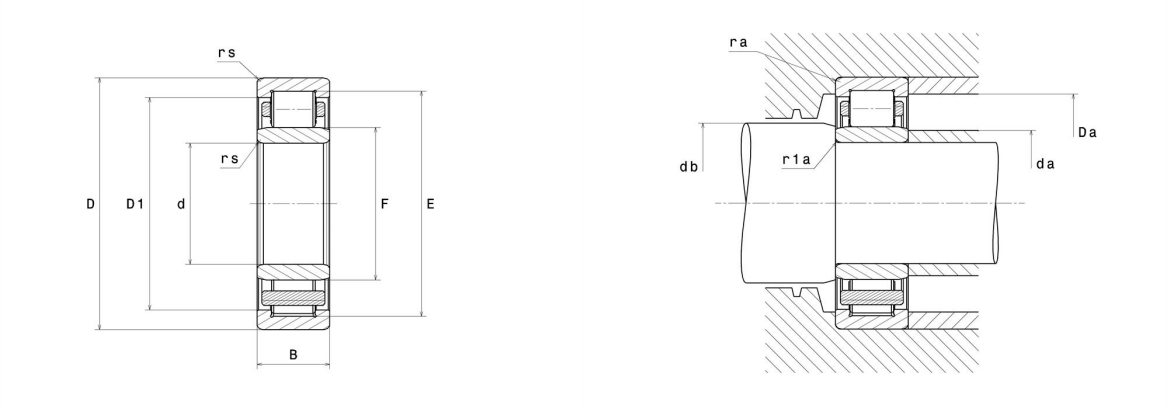
NU.322.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	110 mm
D	240 mm
B	50 mm
E	211 mm
F	143 mm
D1	200.9 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	10.7 kg
Brand	SNR

Product performance

Dynamic load, C	437 kN
Static load, C0	503 kN
Fatigue limit load, Cu	51.7 kN
Nref	2,800 rpm
Nlim	3,400 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	5.01 Hz
Characteristic outer ring frequency, BPF0	5.25 Hz
Characteristic inner ring frequency, BPFI	7.75 Hz

Abutment dimensions

da min	123 mm
da max	140 mm
Da max	227 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$