Technical datasheet

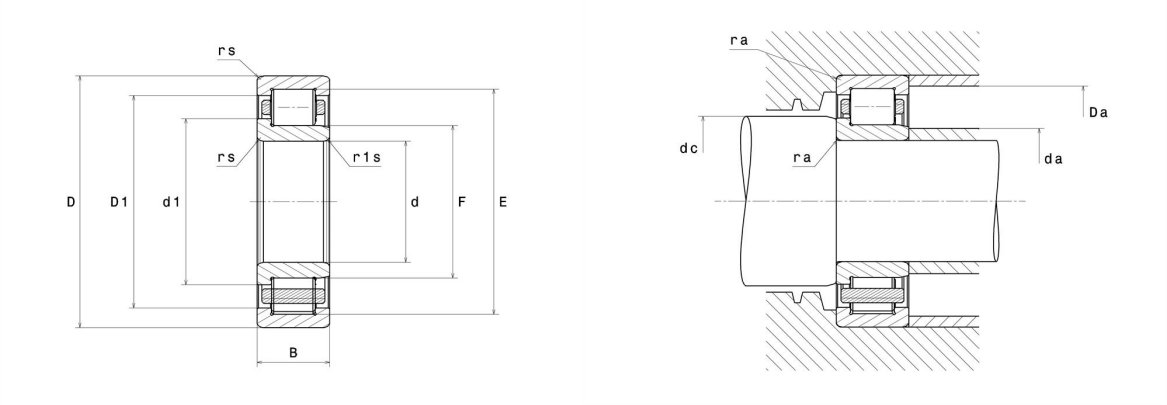
NJ.310.E.G15

Single row cylindrical roller bearings



Single row cylindrical roller bearing, single direction for axial loads, separable, polyamide cage.

Visual(s)



Product definition

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.3 mm
D1	92.5 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.19 kg
Brand	SNR

Product performance

Dynamic load, C	110 kN
Static load, C0	113 kN
Fatigue limit load, Cu	13.8 kN
Nref	5,800 rpm
Nlim	7,700 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	4.86 Hz
Characteristic outer ring frequency, BPF0	5.22 Hz
Characteristic inner ring frequency, BPFI	7.78 Hz

Abutment dimensions

da min	59 mm
da max	63 mm
db min	67 mm
dc min	73 mm
Da max	101 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$