Technical datasheet

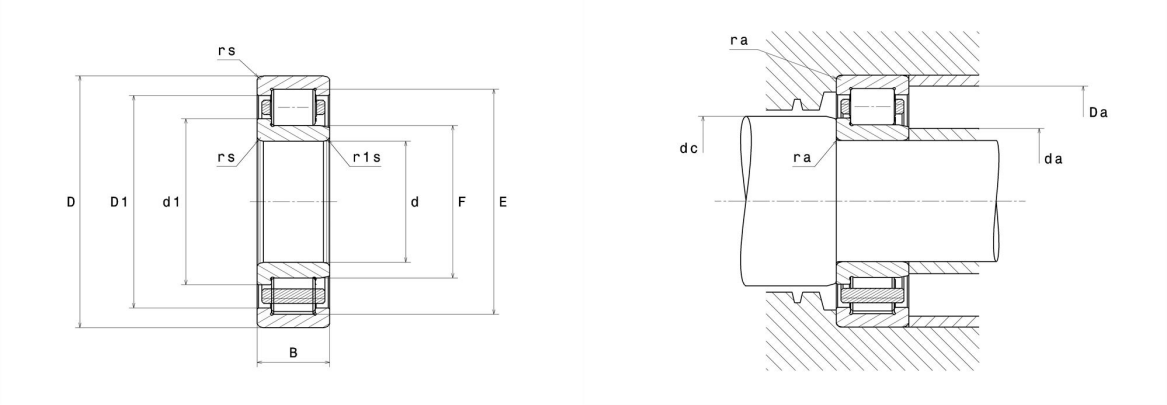
NJ.311.EG15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	55 mm
D	120 mm
B	29 mm
E	106.5 mm
F	70.5 mm
d1	77.5 mm
D1	101.4 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	1.51 kg
Brand	SNR

Product performance

Dynamic load, C	137 kN
Static load, C0	143 kN
Fatigue limit load, Cu	17.4 kN
Nref	5,300 rpm
Nlim	7,100 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	4.71 Hz
Characteristic outer ring frequency, BPF0	5.18 Hz
Characteristic inner ring frequency, BPFI	7.82 Hz

Abutment dimensions

da min	64 mm
da max	69 mm
db min	72 mm
dc min	80 mm
Da max	111 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$