Technical datasheet

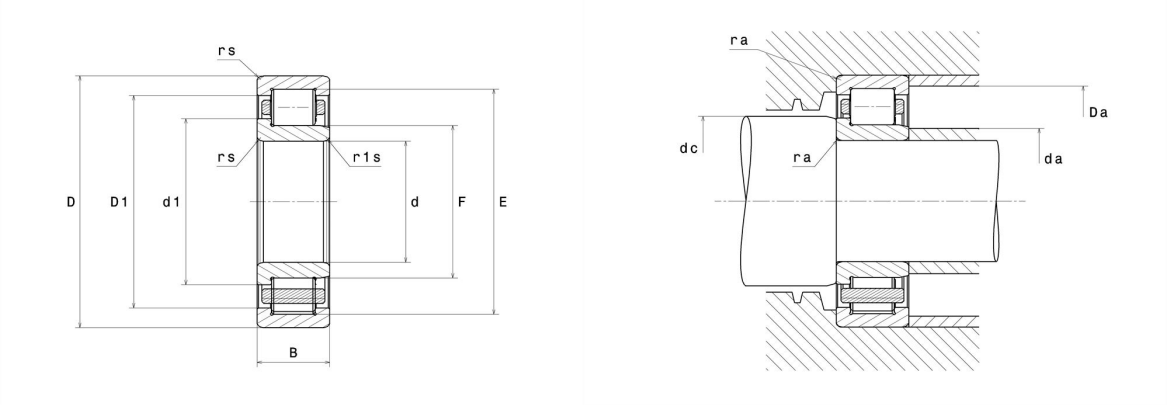
NJ.307.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	35 mm
D	80 mm
B	21 mm
E	70.2 mm
F	46.2 mm
d1	51 mm
D1	66.6 mm
rs min	1.5 mm
r1s min	1.1 mm
Radial clearance class	C3
Mass (without HJ ring)	0.5 kg
Brand	SNR

Product performance

Dynamic load, C	64.2 kN
Static load, C0	62.4 kN
Fatigue limit load, Cu	7.6 kN
Nref	7,700 rpm
Nlim	11,000 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	4.64 Hz
Characteristic outer ring frequency, BPF0	4.76 Hz
Characteristic inner ring frequency, BPFI	7.24 Hz

Abutment dimensions

da min	43 mm
da max	45 mm
db min	48 mm
dc min	53 mm
Da max	72 mm
ra max	1.5 mm
r1a max	1 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$