Technical datasheet

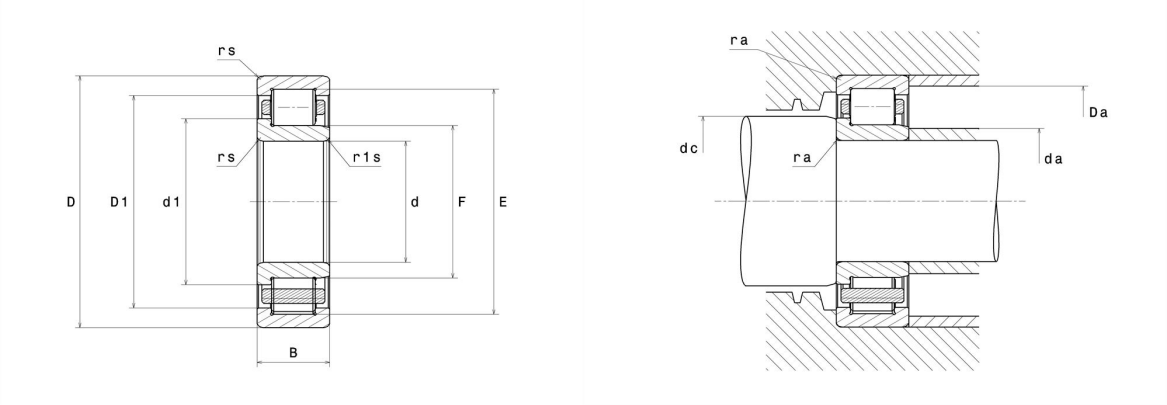
NJ.2309.EG15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	45 mm
D	100 mm
B	36 mm
E	88.5 mm
F	58.5 mm
d1	64.4 mm
D1	84.1 mm
rs min	1.5 mm
r1s min	1.5 mm
Radial clearance class	CN
Mass (without HJ ring)	1.33 kg
Brand	SNR

Product performance

Dynamic load, C	141 kN
Static load, C0	158 kN
Fatigue limit load, Cu	19.3 kN
Nref	5,300 rpm
Nlim	8,500 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	4.7 Hz
Characteristic outer ring frequency, BPF0	5.17 Hz
Characteristic inner ring frequency, BPFI	7.83 Hz

Abutment dimensions

da min	53 mm
da max	57 mm
db min	60 mm
dc min	66 mm
Da max	92 mm
ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$