Technical datasheet

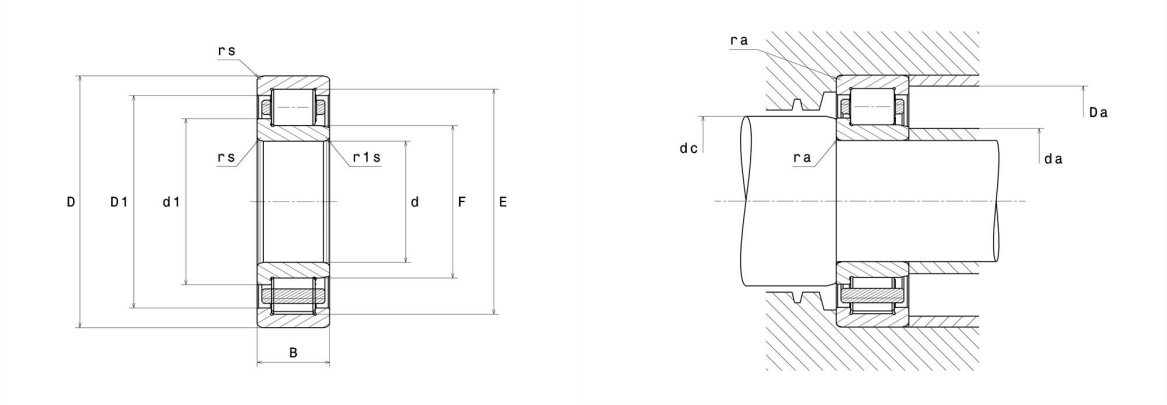
NJ.2314.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	70 mm
D	150 mm
B	51 mm
E	133 mm
F	89 mm
d1	97.3 mm
D1	126.8 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	CN
Mass (without HJ ring)	4.09 kg
Brand	SNR

Product performance

Dynamic load, C	274 kN
Static load, C0	323 kN
Fatigue limit load, Cu	38.2 kN
Nref	3,900 rpm
Nlim	5,600 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	4.85 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz

Abutment dimensions

da min	81 mm
da max	87 mm
db min	92 mm
dc min	100 mm
Da max	139 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$