Technical datasheet

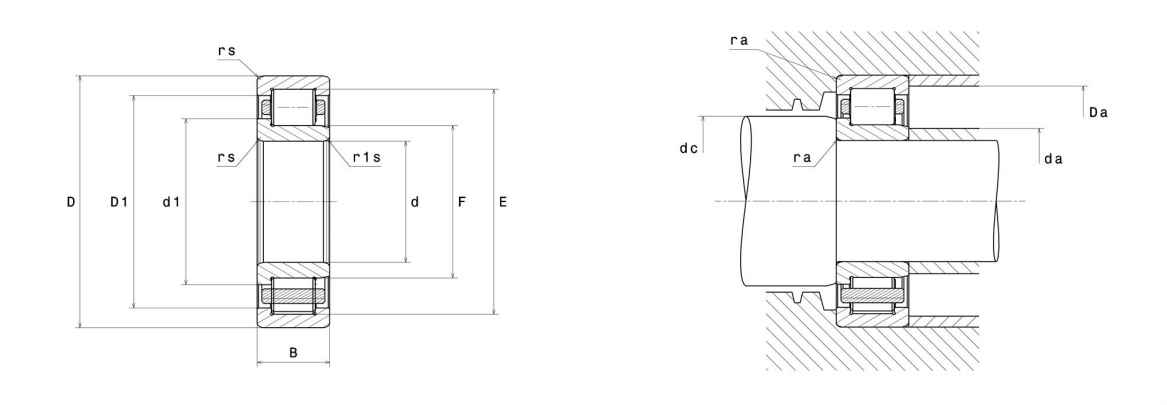
NJ.2218.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	90 mm
D	160 mm
B	40 mm
E	145 mm
F	107 mm
d1	114.3 mm
D1	139.7 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	3.23 kg
Brand	SNR

Product performance

Dynamic load, C	249 kN
Static load, C0	326 kN
Fatigue limit load, Cu	37.1 kN
Nref	3,200 rpm
Nlim	5,100 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	6.48 Hz
Characteristic outer ring frequency, BPF0	7.22 Hz
Characteristic inner ring frequency, BPFI	9.78 Hz

Abutment dimensions

da min	99 mm
da max	105 mm
db min	109 mm
dc min	116 mm
Da max	151 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$