Technical data

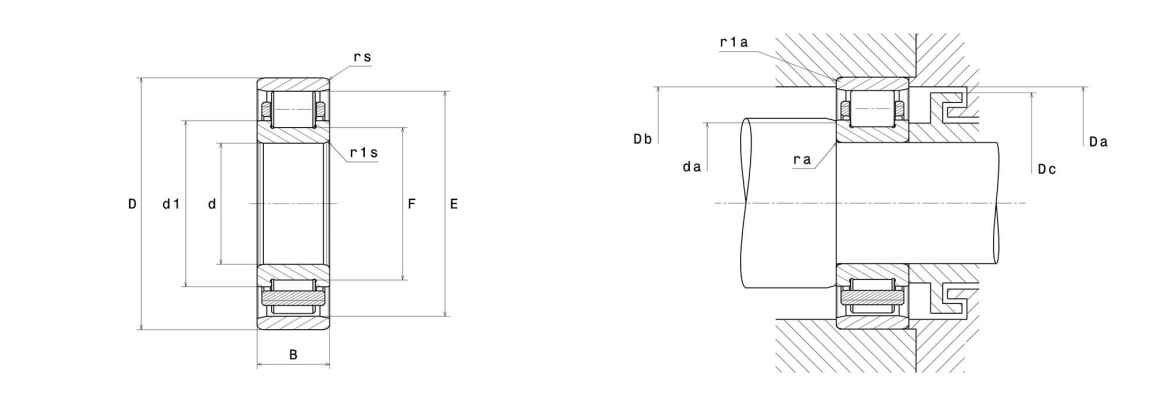
N.218.E.G15

Single row cylindrical roller bearings



Single row cylindrical roller bearing, floating, separable, polyamide cage

Visual(s)



Product definition

d	90 mm
D	160 mm
B	30 mm
E	145 mm
F	107 mm
d1	114.3 mm
rs min	2 mm
r1s min	2 mm
Radial clearance class	CN
Mass (without HJ ring)	2.37 kg
Brand	SNR

Product performance

Dynamic load, C	183 kN
Static load, C0	220 kN
Fatigue limit load, Cu	25 kN
Nref	3,900 Tr/min
Nlim	5,100 Tr/min
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	151 mm
Db min	147 mm
Dc max	143 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$