Technical datasheet

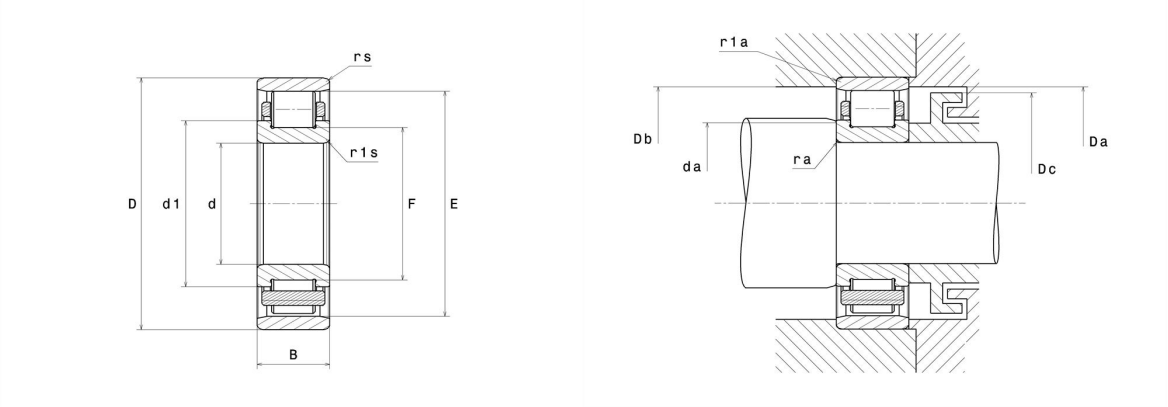
N.220.E.G15.C3

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	100 mm
D	180 mm
B	34 mm
E	163 mm
F	119 mm
d1	127.3 mm
rs min	2.1 mm
r1s min	2.1 mm
Radial clearance class	C3
Mass (without HJ ring)	3.5 kg
Brand	SNR

Product performance

Dynamic load, C	251 kN
Static load, C0	308 kN
Fatigue limit load, Cu	33.9 kN
Nref	3,500 rpm
Nlim	4,500 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	6.25 Hz
Characteristic outer ring frequency, BPF0	7.17 Hz
Characteristic inner ring frequency, BPFI	9.83 Hz

Abutment dimensions

da min	111 mm
Da max	169 mm
Db min	165 mm
Dc max	160 mm
ra max	2 mm
r1a max	2 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$