Technical datasheet

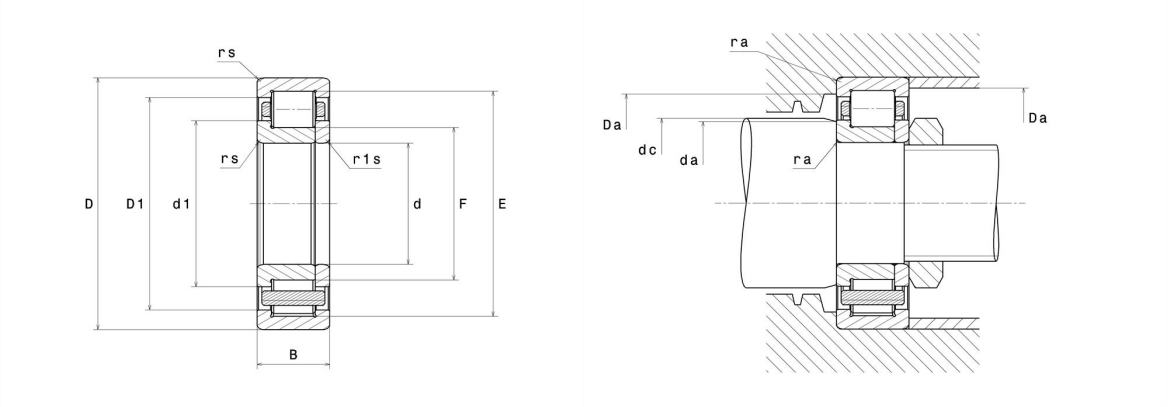
NUP.317.E.G15

Single row cylindrical roller bearings



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

Visual(s)



Product definition

d	85 mm
D	180 mm
B	41 mm
E	160 mm
F	108 mm
d1	117.8 mm
D1	152.7 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	5.2 kg
Brand	SNR

Product performance

Dynamic load, C	279 kN
Static load, C0	312 kN
Fatigue limit load, Cu	34.9 kN
Nref	3,700 rpm
Nlim	4,600 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	4.96 Hz
Characteristic outer ring frequency, BPF0	5.24 Hz
Characteristic inner ring frequency, BPFI	7.76 Hz

Abutment dimensions

da min	98 mm
dc min	119 mm
Da max	167 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$Po = Fr$