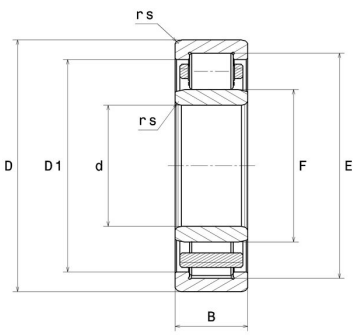
Technical datasheet

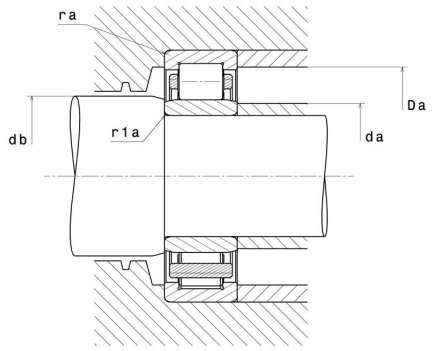
NU.318.EG15

Single row cylindrical roller bearings

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

Visual(s)





Product definition

d	90 mm
D	190 mm
B	43 mm
E	169.5 mm
F	113.5 mm
D1	161.6 mm
rs min	3 mm
r1s min	3 mm
Radial clearance class	CN
Mass (without HJ ring)	5.39 kg
Brand	SNR

Product performance

Dynamic load, C	320 kN
Static load, C0	360 kN
Fatigue limit load, Cu	39.6 kN
Nref	3,500 rpm
Nlim	4,400 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	4.86 Hz
Characteristic outer ring frequency, BPF0	5.21 Hz
Characteristic inner ring frequency, BPFI	7.79 Hz

Abutment dimensions

da min	103 mm
da max	111 mm
Da max	177 mm
ra max	2.5 mm
r1a max	2.5 mm

Calculation factors

Equivalent dynamic radial load

$P = Fr$

Equivalent static radial load

$P_0 = Fr$