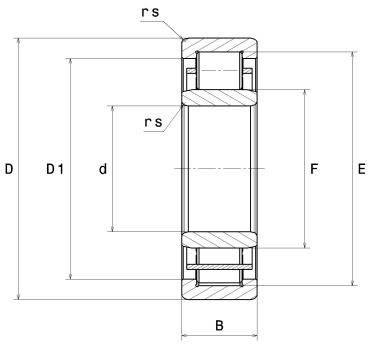
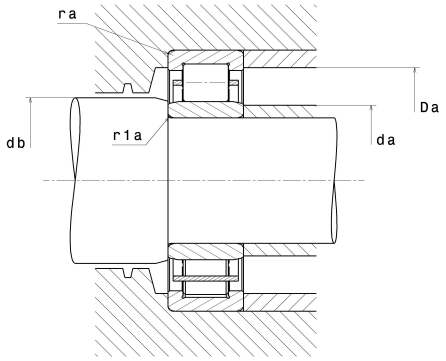
PDF technical sheet
NU309E

Single row cylindrical roller bearings
Single row cylindrical roller bearing, floating, separable, pressed steel cage

Product definition	
d	1.7717 "
D	3.9370 "
B	0.9843 "
E	3.4843 "
F	2.3031 "
D1	3.2480 "
rs min	0.0591 "
r1s min	0.0591 "
Radial clearance class	CN
Mass (without HJ ring)	3.23 oz
Brand	SNR



Product performance	
Dynamic load, C	97.40 kN
Static load, C0	98.30 kN
Fatigue limit load, Cu	12 kN
Nref	6,300 RPM
Nlim	8,500 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.40 Hz
Characteristic rolling element frequency, BSF	4.70 Hz
Characteristic outer ring frequency, BPF0	5.17 Hz
Characteristic inner ring frequency, BPFI	7.83 Hz



Abutment dimensions	
da min	2.0866 "
da max	2.2441 "
Da max	3.6220 "
ra max	0.0591 "
r1a max	0.0591 "

NTN-SNR ROULEMENTS – www.ntn-snr.com
1 rue des Usines – 74010 Annecy Cedex – France – Tel. +33 (0)4 50 65 30 00
S.A. au capital de 123 599 542 € - RCS ANNECY B 325 821 072 – Id. Fiscale : FR 48 325 821 072 – SIRET 325 821 072 00015 –
Code APE 2815 Z – Code NACE 28.15

Calculation factors

Equivalent dynamic radial load

P = Fr

Equivalent static radial load

Po = Fr