PDF technical sheet
6201E

Single row deep groove ball bearings
Deep groove ball bearing, radial contact, pressed steel cage, contact seal on one side

Product definition	
d	0.4724 "
D	1.2598 "
B	0.3937 "
d1	0.7205 "
D1	1.0984 "
rs min	0.0236 "
Radial clearance class	CN
Mass	0.13 oz
Brand	SNR

Product performance	
Dynamic load, C	6.80 kN
Static load, C0	3.10 kN
Fatigue limit load, Cu	0.14 kN
f0	12.2
Nlim	16,000 RPM
Min operating temperature, Tmin	−4 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.36 Hz
Characteristic rolling element frequency, BSF	3.39 Hz
Characteristic outer ring frequency, BPF0	2.55 Hz
Characteristic inner ring frequency, BPFI	4.46 Hz

Abutment dimensions	
da min	0.6299 "
da max	0.7205 "
Da max	1.1024 "
ra max	0.0236 "

Calculation factors

Equivalent dynamic radial load

P = X.Fr + Y.Fa

$\frac{f_0 F_a}{C_0}$	e	Fa / Fr ≤ e		Fa / Fr > e	
		X	Y	X	Y
0.172	0.19	1	0	0.56	2.3
0.345	0.22				1.99
0.689	0.26				1.71
1.03	0.28				1.55
1.38	0.3				1.45
2.07	0.34				1.31
3.45	0.38				1.15
5.17	0.42				1.04
6.89	0.44				1

Equivalent static radial load

Po = Xo.Fr + Yo.Fa

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement :

If Po <Fr, then use Po = Fr