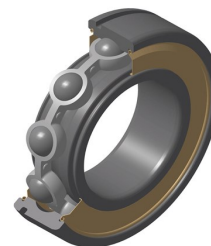


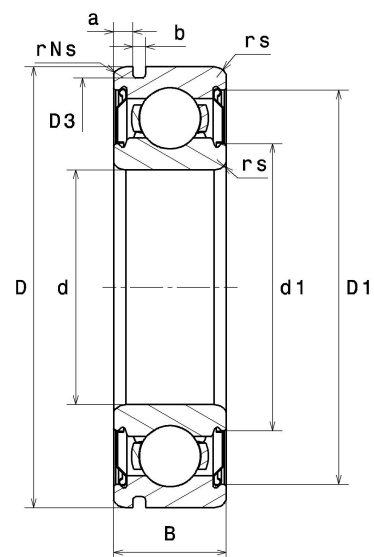
PDF technical sheet 6002NZZ



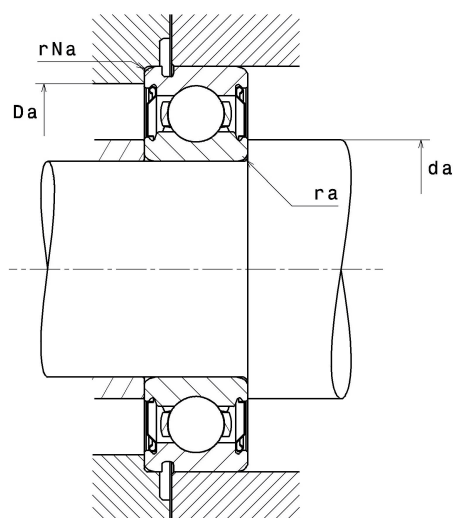
Single row deep groove ball bearings

Deep groove ball bearing, radial contact, pressed steel cage, snap ring groove on outer diameter, shields on both sides

Product definition	
d	15 mm
D	32 mm
B	9 mm
d1	20.50 mm
D1	28.80 mm
a min	2.06 mm
a max	1.90 mm
rs min	0.30 mm
rNs min	0.30 mm
D3 max	30.15 mm
b min	1.35 mm
b max	1.65 mm
r0 max	0.40 mm
Radial clearance class	CN
Mass	0.03 kg
Brand	SNR



Product performance	
Dynamic load, C	5.40 kN
Static load, C0	2.85 kN
Fatigue limit load, Cu	0.13 kN
f0	13.9
Nref	22,000 Tr/min
Nlim	31,000 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.40 Hz
Characteristic rolling element frequency, BSF	4.73 Hz
Characteristic outer ring frequency, BPF0	3.59 Hz
Characteristic inner ring frequency, BPF1	5.41 Hz



Abutment dimensions

da min	17 mm
da max	20.50 mm
Da max	30 mm
ra max	0.30 mm
rNa max	0.30 mm
Db min	37.50 mm

Calculation factors

Equivalent dynamic radial load

$$P = X \cdot Fr + Y \cdot Fa$$

$\frac{f_0 F_a}{C_0}$	e	$F_a / Fr \leq e$		$F_a / Fr > e$	
		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

$$P_0 = X_0 \cdot Fr + Y_0 \cdot Fa$$

X_0	Y_0
0.6	0.5

For single or DT bearing arrangement:

If $P_0 < Fr$, then use $P_0 = Fr$