Technical data

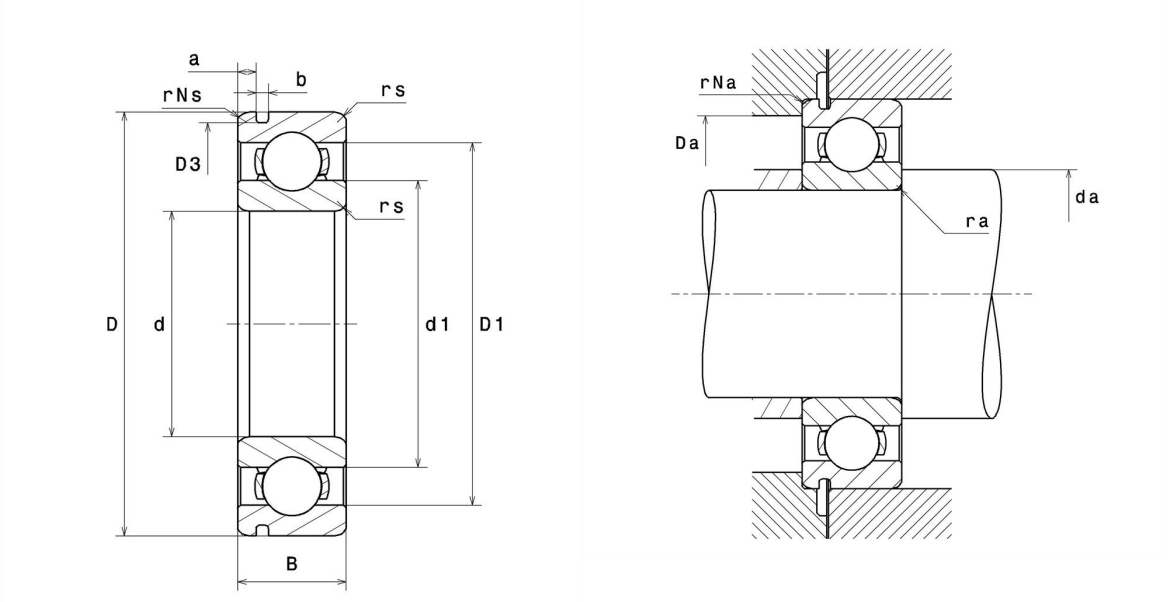
6209.NC3

Single row deep groove ball bearings



Deep groove ball bearing, radial contact, pressed steel cage, snap ring groove on outer diameter, open

Visual(s)



Product definition

d	45 mm
D	85 mm
B	19 mm
d1	54.5 mm
D1	75.6 mm
a min	3.07 mm
a max	3.28 mm
rs min	1.1 mm
rNs min	0.5 mm
D3 max	81.81 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
Radial clearance class	C3
Mass	0.4 kg
Brand	SNR

Product performance

Dynamic load, C	32.2 kN
Static load, C0	20.4 kN
Fatigue limit load, Cu	0.93 kN
f0	14.1
Nref	8,700 Tr/min
Nlim	13,000 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.92 Hz
Characteristic outer ring frequency, BPF0	3.62 Hz
Characteristic inner ring frequency, BPFI	5.38 Hz

Abutment dimensions

da min	51.5 mm
da max	54.5 mm
Ce min	0 mm
Da max	78.5 mm
ra max	1 mm
rNa max	0.5 mm
Db min	93 mm