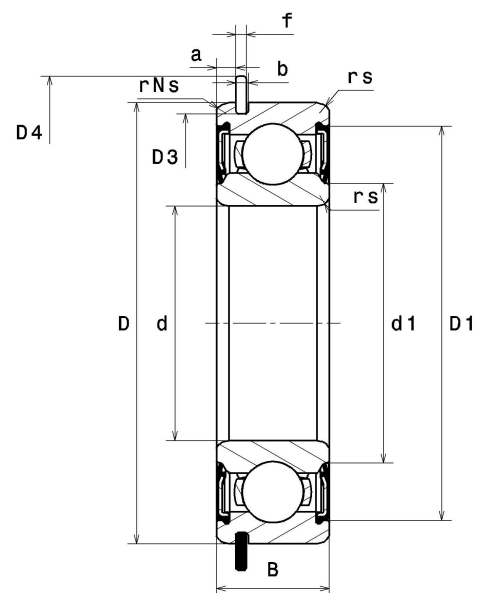


PDF technical sheet 6309.NREE

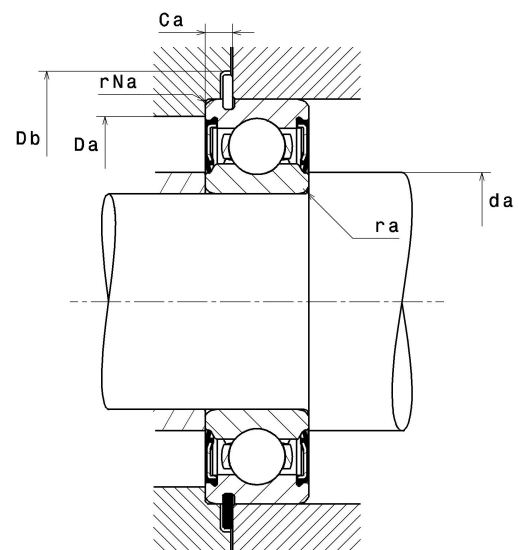


Single row deep groove ball bearings

Product definition	
d	45 mm
D	100 mm
B	25 mm
d1	59.30 mm
D1	87.10 mm
a min	3.07 mm
a max	3.28 mm
Ca min	5.43 mm
Ca max	5.74 mm
rs min	1.50 mm
rNs min	0.50 mm
D3 max	96.80 mm
b min	2.70 mm
b max	3 mm
r0 max	0.60 mm
D4 max	106.50 mm
f	2.41 mm
Snap ring reference	R100
Radial clearance class	CN
Mass	0.83 kg
Brand	SNR



Product performance	
Dynamic load, C	52.30 kN
Static load, C0	31.70 kN
Fatigue limit load, Cu	1.44 kN
f0	13
Nlim	4,800 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	3.91 Hz
Characteristic outer ring frequency, BPF0	3.04 Hz
Characteristic inner ring frequency, BPF1	4.96 Hz



Abutment dimensions

da min	53 mm
da max	59.30 mm
Da max	92 mm
ra max	1.50 mm
rNa max	0.50 mm
Db min	108 mm

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