

PDF technical sheet 6312NRC3

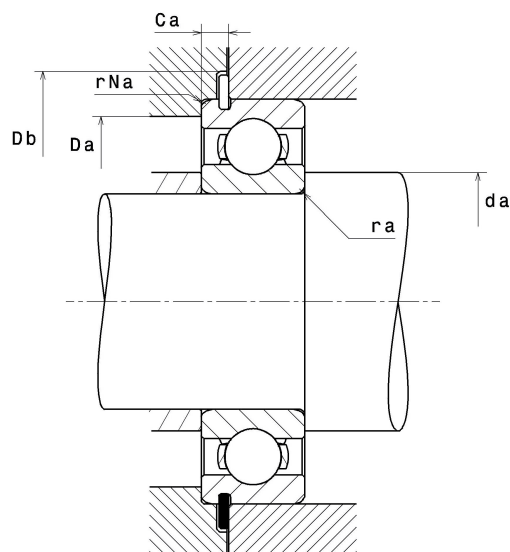


Single row deep groove ball bearings

Product definition	
d	2.3622 "
D	5.1181 "
B	1.2205 "
a min	0.1520 "
a max	0.1598 "
Ca min	0.2630 "
Ca max	0.2709 "
rs min	0.0827 "
rNs min	0.0197 "
D3 max	4.9299 "
b min	0.1220 "
b max	0.1339 "
r0 max	0.0236 "
D4 max	5.5000 "
f	0.1110 "
Snap ring reference	R130
Radial clearance class	C3
Mass	6.10 oz
Brand	NTN



Product performance	
Dynamic load, C	82 kN
Static load, C0	52 kN
Fatigue limit load, Cu	2.36 kN
f0	13.2
Nlim (oil)	6,300 RPM
Nlim (grease)	5,400 RPM
Min operating temperature, Tmin	-76 °C
Characteristic cage frequency, FTF	0.38 Hz
Characteristic rolling element frequency, BSF	4.09 Hz
Characteristic outer ring frequency, BPF0	3.07 Hz
Characteristic inner ring frequency, BPF1	4.93 Hz



Abutment dimensions	
da min	2.7953 "
Da max	4.6850 "
ra max	0.0787 "
rNa max	0.0197 "
Db min	5.5709 "

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