

PDF technical sheet 6007NR



Single row deep groove ball bearings

Product definition	
d	35 mm
D	62 mm
B	14 mm
a min	1.88 mm
a max	2.08 mm
Ca min	3.48 mm
Ca max	3.78 mm
rs min	1 mm
rNs min	0.50 mm
D3 max	59.61 mm
b min	1.90 mm
b max	2.20 mm
r0 max	0.60 mm
D4 max	67.70 mm
f	1.70 mm
Snap ring reference	R62
Radial clearance class	CN
Mass	0.16 kg
Brand	NTN



Product performance	
Dynamic load, C	16 kN
Static load, C0	10.30 kN
Fatigue limit load, Cu	0.47 kN
f0	14.8
Nlim (oil)	14,000 Tr/min
Nlim (grease)	12,000 Tr/min
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.42 Hz
Characteristic rolling element frequency, BSF	5.95 Hz
Characteristic outer ring frequency, BPF0	4.60 Hz
Characteristic inner ring frequency, BPF1	6.40 Hz



Abutment dimensions

da min	40 mm
Da max	57 mm
ra max	1 mm
rNa max	0.50 mm
Db min	68.50 mm