



NTN Bearing Rolamentos do Brasil Ltda.

50 mm x 80 mm x 16 mm SNR 6010.NR.ZZ
Single row deep groove ball bearings

Bearing No. 6010.NR.ZZ

d	50 mm
D	80 mm
B	16 mm
d1	59.7 mm
D1	74.4 mm
a min	2.29 mm
a max	2.49 mm
Ca min	3.89 mm
Ca max	4.19 mm
rs min	1 mm
rNs min	0.5 mm
D3 max	76.81 mm
b min	1.9 mm
b max	2.2 mm
r0 max	0.6 mm
D4 max	86.6 mm
f	1.65 mm
Snap ring reference	R80
Radial clearance class	CN
Mass	0.27 kg
Dynamic load, C	21.1 kN
Static load, C0	16.6 kN
Fatigue limit load, Cu	0.9 kN
f0	15.6
Nref	8,900 rpm

6010.NR.ZZ Bearing 2D drawings and 3D CAD models



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Nlim	11,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	7.37 Hz
Characteristic outer ring frequency, BPF0	6.07 Hz
Characteristic inner ring frequency, BRFI	7.93 Hz
da min	55 mm
da max	59.7 mm
Da max	75 mm
ra max	1 mm
rNa max	0.5 mm
Db min	88 mm