



# SNR BEARING CORP.OF AMERICA

17 mm x 35 mm x 10 mm NTN 6003LUC3  
Single row deep groove ball bearings

Bearing No. 6003LUC3

6003LUC3 Bearing 2D drawings and 3D CAD models

d	17 mm
D	35 mm
B	10 mm
rs min	0.3 mm
Radial clearance class	C3
Mass	0.04 kg
Dynamic load, C	6.8 kN
Static load, C0	3.35 kN
Fatigue limit load, Cu	0.15 kN
f0	13.6
Nlim (grease)	14,000 rpm
Min operating temperature, Tmin	-25 ° C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.47 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz
Characteristic inner ring frequency, BPFI	4.86 Hz
da min	19 mm
da max	21 mm
Da max	33 mm
ra max	0.3 mm
bore diameter:	17 mm
precision rating:	ISO Class 0



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outside diameter:	35 mm
finish/coating:	Uncoated
overall width:	10 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Single Seal
inner ring width:	10 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	10 mm
snap ring included:	Without Snap Ring
maximum rpm (grease):	14000 rpm
internal clearance:	C3
fillet radius:	0.3 mm
operating temperature range:	-40 to 120 ° C
maximum rpm:	24000 RPM
dynamic load capacity:	6800 N
series:	60
static load capacity:	3350 N
manufacturer product page:	<a href="#">Click here</a>