



# HMSA BEARING MANUFACTURING LIMITED

20 mm x 42 mm x 12 mm NTN 6004ZC3/6S  
Single row deep groove ball bearings

Bearing No. 6004ZC3/6S

d	20 mm
D	42 mm
B	12 mm
rs min	0.6 mm
Radial clearance class	C3
Mass	0.07 kg
Dynamic load, C	9.4 kN
Static load, C0	5.05 kN
Fatigue limit load, Cu	0.23 kN
f0	13.9
Nlim (oil)	21,000 rpm
Nlim (grease)	18,000 rpm
Min operating temperature, Tmin	-50 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.76 Hz
Characteristic outer ring frequency, BPF0	3.59 Hz
Characteristic inner ring frequency, BPF1	5.41 Hz
da min	24 mm
Da max	38 mm
ra max	0.6 mm

6004ZC3/6S Bearing 2D drawings and 3D CAD models



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