



# HMSA BEARING MANUFACTURING LIMITED

25 mm x 47 mm x 12 mm NTN 6005ZZ/5K  
Single row deep groove ball bearings

Bearing No. 6005ZZ/5K

d	25 mm
D	47 mm
B	12 mm
rs min	0.6 mm
Radial clearance class	CN
Mass	0.08 kg
Dynamic load, C	10.1 kN
Static load, C0	5.85 kN
Fatigue limit load, Cu	0.27 kN
f0	14.5
Nlim (grease)	15,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.49 Hz
Characteristic outer ring frequency, BPF0	4.12 Hz
Characteristic inner ring frequency, BPF1	5.88 Hz
da min	29 mm
Da max	43 mm
ra max	0.6 mm

6005ZZ/5K Bearing 2D drawings and 3D CAD models