



HMSA BEARING MANUFACTURING LIMITED

25 mm x 47 mm x 12 mm SNR 6005.HT200ZZ
Single row deep groove ball bearings

Bearing No. 6005.HT200ZZ

d	25 mm
D	47 mm
B	12 mm
d1	31.6 mm
D1	42.7 mm
rs min	0.6 mm
Radial clearance class	C4
Mass	0.08 kg
Dynamic load, C	9.8 kN
Static load, C0	5.8 kN
Fatigue limit load, Cu	0.27 kN
f0	14.5
Nref	15,000 rpm
Nlim	6,700 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	200 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.44 Hz
Characteristic outer ring frequency, BPF0	4.11 Hz
Characteristic inner ring frequency, BPF1	5.89 Hz
da min	29 mm

6005.HT200ZZ Bearing 2D drawings and 3D CAD models



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da max	31.6 mm
Da max	43 mm
ra max	0.6 mm