



HMSA BEARING MANUFACTURING LIMITED

50 mm x 110 mm x 27 mm NTN
NJ310EAT2XC3 Single row cylindrical roller
bearings

Bearing No. NJ310EAT2XC3

d	50 mm
D	110 mm
B	27 mm
E	97 mm
F	65 mm
d1	71.4 mm
rs min	2 mm
Radial clearance class	C3
Mass (without HJ ring)	1.16 kg
Dynamic load, C	130 kN
Static load, C0	113 kN
Nlim (oil)	8,300 rpm
Nlim (grease)	5,900 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic rolling element frequency, BSF	4.86 Hz
Characteristic outer ring frequency, BPF0	5.22 Hz
Characteristic inner ring frequency, BPF1	7.78 Hz
da min	59 mm

NJ310EAT2XC3 Bearing 2D drawings and 3D CAD
models



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da max	63 mm
dc min	73 mm
Da max	101 mm
ra max	2 mm