



Bearing No. NH309

E	86.5 mm
d	45,000 mm
D	100,000 mm
B	32,000 mm
C	25,000 mm
F	58.5 mm
d1	64 mm
B2	12.5 mm
B1	7 mm
da min	53 mm
rs min	1.5 mm
ra max	1.5 mm
dc min	66 mm
Da max	92 mm
r1s min	1.5 mm
Size (mm)	45x100x32
Nlim (oil)	8,400 rpm
Width (mm)	32,000
Nlim (grease)	7,200 rpm
Bearing number	NH309
Mass (HJ ring)	1 kg
Static load, C0	71 kN
Dynamic load, C	74 kN
HJ Ring reference	HJ309
Bore Diameter (mm)	45,000
Outer Diameter (mm)	100,000
Fatigue limit load, Cu	8.7 kN
Radial clearance class	CN
Min operating temperature, Tmin	-40 °C

Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.4 Hz
Characteristic outer ring frequency, BPF0	4.44 Hz
Characteristic inner ring frequency, BPF1	6.56 Hz
Characteristic rolling element frequency, BSF	4.98 Hz