



## NTN K89309 thrust roller bearings



Bearing No. K89309

K89309 Bearing 2D drawings and 3D CAD models

Bore Diameter	45,000 mm
Outer Diameter	85,000 mm
d	45,000 mm
D	85,000 mm
Dw	7,500 mm
Dc1	45 mm
Dc	85 mm
Lw	7.5 mm
Bearing ring (inner ring) WS	WS89309
Bearing ring (outer ring) GS	GS89309
Ea	81.3 mm
Eb	50.9 mm
Cage assembly mass	0.14 kg
Ca	102 kN
C0a	345 kN
Nlim (grease)	900 rpm
Nlim (oil)	3,600 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	8.81 Hz
Characteristic outer ring frequency, BPF0	8 Hz



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Characteristic inner ring frequency, BPF1	8 Hz
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