



NTN K89310 thrust roller bearings



Bearing No. K89310

K89310 Bearing 2D drawings and 3D CAD models

Bore Diameter	50,000 mm
Outer Diameter	95,000 mm
d	50,000 mm
D	95,000 mm
Dw	8,000 mm
Dc1	50 mm
Dc	95 mm
Lw	8 mm
Bearing ring (inner ring) WS	WS89310
Bearing ring (outer ring) GS	GS89310
Ea	90.4 mm
Eb	58 mm
Cage assembly mass	0.18 kg
Ca	125 kN
C0a	445 kN
Nlim (grease)	800 rpm
Nlim (oil)	3,200 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	9.28 Hz
Characteristic outer ring frequency, BPF0	9 Hz



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Characteristic inner ring frequency, BPF1	9 Hz
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