



**NTN K81211 thrust roller bearings**



Bearing No. K81211

K81211 Bearing 2D drawings and 3D CAD models

Bore Diameter	55,000 mm
Outer Diameter	90,000 mm
d	55,000 mm
D	90,000 mm
Dw	11,000 mm
Dc1	55 mm
Dc	90 mm
Lw	11 mm
Bearing ring (inner ring) WS	WS81211
Bearing ring (outer ring) GS	GS81211
Ea	83.4 mm
Eb	60.1 mm
Cage assembly mass	0.19 kg
Ca	121 kN
C0a	340 kN
Nlim (grease)	830 rpm
Nlim (oil)	3,300 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	6.52 Hz
Characteristic outer ring frequency, BPF0	7 Hz



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Characteristic inner ring frequency, BPF1	7 Hz
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