

# K89320 NTN Min operating temperature, $T_{min} -20\text{ }^{\circ}\text{C}$ Thrust roller bearings

Dc1	100 mm
Dc	170 mm
Lw	13 mm
Bearing ring (inner ring) WS	WS89320
Bearing ring (outer ring) GS	GS89320
Ea	163 mm
Eb	110.6 mm
Cage assembly mass	0.81 kg
Ca	335 kN
C0a	1.370 kN
Nlim (grease)	430 rpm
Nlim (oil)	1.700 rpm
Min operating temperature, $T_{min}$	$-20\text{ }^{\circ}\text{C}$
Max operating temperature, $T_{max}$	$120\text{ }^{\circ}\text{C}$
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	10.52 Hz
Characteristic outer ring frequency, BPF0	10 Hz
Characteristic inner ring frequency, BRFI	10 Hz
Bearing number	K89320
Brand	NTN
Bore Diameter (mm)	100.000
Outer Diameter (mm)	170.000
d	100.000 mm
D	170.000 mm

Dw

13.000 mm