



## NTN Bearing Rolamentos do Brasil Ltda.



### NTN K89316 Thrust cylindrical roller bearing cages

Bearing No. K89316

K89316 Bearing 2D drawings and 3D CAD models

Bore Diameter	80,000 mm
Outer Diameter	140,000 mm
d	80,000 mm
D	140,000 mm
Dw	11,000 mm
Dc1	80 mm
Dc	140 mm
Lw	11 mm
Bearing ring (inner ring) WS	WS89316
Bearing ring (outer ring) GS	GS89316
Ea	134.2 mm
Eb	89.8 mm
Cage assembly mass	0.49 kg
Ca	246 kN
C0a	970 kN
Nlim (grease)	530 rpm
Nlim (oil)	2,100 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	10.18 Hz
Characteristic outer ring	10 Hz



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frequency, BPF0	
Characteristic inner ring frequency, BPF1	10 Hz