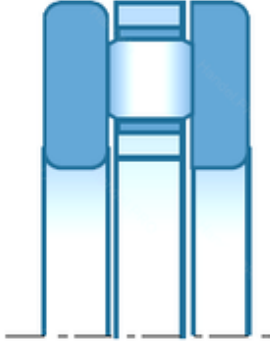




# NTN DRIVESHAFT ANDERSON, INC.

## NTN 89312 thrust ball bearings



Bearing No. 89312

89312 Bearing 2D drawings and 3D CAD models

Size	60x110x30 mm
Bore Diameter	60,000 mm
Outer Diameter	110,000 mm
Width	30,000 mm
d	60,000 mm
D	110,000 mm
T	30,000 mm
d1	110 mm
D1	62 mm
Dc1	60 mm
Dc	110 mm
Dw	9 mm
Lw	9 mm
rs min	1.1 mm
Cage assembly reference	K89312
Bearing ring (inner ring) WS	WS89312
Bearing ring (outer ring) GS	GS89312
Ea	105.3 mm
Eb	68.9 mm
Mass	1.35 kg
Cage assembly mass	0.25 kg
Bearing ring (inner ring) WS mass	0.55 kg
Bearing ring (outer ring) GS mass	0.55 kg
Ca	162 kN



## NTN DRIVESHAFT ANDERSON, INC.

C0a	600 kN
Nlim (grease)	680 rpm
Nlim (oil)	2,700 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	9.68 Hz
Characteristic outer ring frequency, BPF0	9.5 Hz
Characteristic inner ring frequency, BRFI	9.5 Hz
da min	105 mm
Db max	69 mm
ras max	1 mm
Category	Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	1.302
Product Group	B04144