



NTN Bearing Rolamentos do Brasil Ltda.

100 mm x 170 mm x 14.5 mm NTN 89320L1
Thrust cylindrical roller bearings-Complete thrust
bearing

Bearing No. 89320L1

d	100 mm
D	170 mm
d1	170 mm
D1	103 mm
T	42 mm
Dc1	100 mm
Dc	170 mm
Dw	13 mm
Lw	13 mm
B	14.5 mm
rs min	1.5 mm
Cage assembly reference	K89320L1
Bearing ring (inner ring) WS	WS89320
Bearing ring (outer ring) GS	GS89320
Ea	163 mm
Eb	110.6 mm
Mass	4.19 kg
Cage assembly mass	0.81 kg
Bearing ring (inner ring) WS mass	1.69 kg
Bearing ring (outer ring) GS mass	1.69 kg
Precision class	P0
Ca	335 kN
C0a	1,370 kN

89320L1 Bearing 2D drawings and 3D CAD models



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Nlim (grease)	430 rpm
Nlim (oil)	1,700 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	10.52 Hz
Characteristic outer ring frequency, BPF0	10 Hz
Characteristic inner ring frequency, BRFI	10 Hz
da min	163 mm
Db max	110 mm
ras max	1.5 mm