



NTN Bearing Rolamentos do Brasil Ltda.

NTN 81107T2 Thrust cylindrical roller bearings- Complete thrust bearing

Bearing No. 81107T2

d	35 mm
D	52 mm
d1	52 mm
D1	37 mm
T	12 mm
Dc1	35 mm
Dc	52 mm
Dw	5 mm
Lw	5 mm
rs min	0.6 mm
Cage assembly reference	K81107T2
Bearing ring (inner ring) WS	WS81107
Bearing ring (outer ring) GS	GS81107
Ea	48.9 mm
Eb	38 mm
Mass	0.09 kg
Cage assembly mass	0.02 kg
Bearing ring (inner ring) WS mass	0.03 kg
Bearing ring (outer ring) GS mass	0.03 kg
Ca	31 kN
C0a	87 kN
Nlim (grease)	1,400 rpm
Nlim (oil)	5,500 rpm

81107T2 Bearing 2D drawings and 3D CAD models



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Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.5 Hz
Characteristic rolling element frequency, BSF	8.69 Hz
Characteristic outer ring frequency, BPF0	9 Hz
Characteristic inner ring frequency, BRFI	9 Hz
da min	49 mm
Db max	38 mm
ras max	0.6 mm
Category	Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.073
Product Group	B04144
bore diameter:	35 mm
dynamic load capacity:	3150 kgf
outside diameter:	52 mm
static load capacity:	8900 kgf
overall width:	12 mm
maximum rpm:	5500 RPM
operating temperature range:	Maximum of +120 ° C
fillet radius:	0.6 mm
cage material:	Polyamide
series:	811