



# NTN Bearing Rolamentos do Brasil Ltda.

## 40 mm x 88,5 mm x 29,083 mm NTN 4T-420/414 Single row tapered roller bearings



Bearing No. 4T-420/414

4T-420/414 Bearing 2D drawings and 3D CAD models

Size	40x88.5x26.988 mm
Bore Diameter	40 mm
Outer Diameter	88,5 mm
Width	26,988 mm
d	40 mm
D	88,5 mm
T	26,988 mm
B	29,083 mm
C	22,225 mm
ra1 max.	1,5 mm
a	9,1 mm
Da	77 mm
db	46 mm
ra max.	3,5 mm
da	52 mm
Db	80 mm
Weight	0,813 Kg
Basic dynamic load rating (C)	95,5 kN
Basic static load rating (C0)	107 kN
(Grease) Lubrication Speed	4 600 r/min
(Oil) Lubrication Speed	6 100 r/min
Calculation factor (e)	0,26
Calculation factor (Y0)	1,25
d1	59.5 mm
e	0.26



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Y2	2.28
Y0	1.25
Mass	0.81 kg
Dynamic load, C	95.5 kN
Rating life coefficient, A2	1.4
Static load, C0	107 kN
Fatigue limit load, Cu	13 kN
Nlim (oil)	6,100 rpm
Nlim (grease)	4,600 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.09 Hz
Characteristic outer ring frequency, BPF0	5.69 Hz
Characteristic inner ring frequency, BRFI	8.31 Hz
ra max	3.5 mm
r1a max	1.5 mm