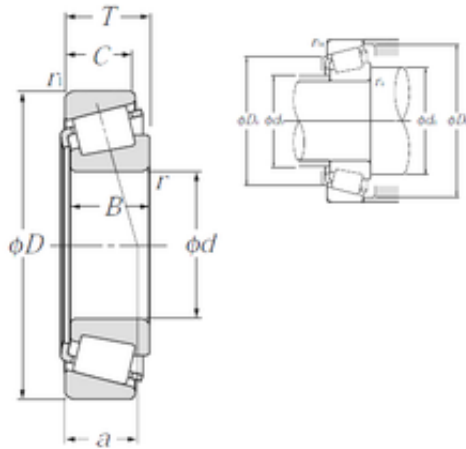




# TZR Bearing Machine Development Co.,...

## NTN 4T-47490/47420 tapered roller bearings



Bearing No. 4T-47490/47420

Size	71.438x120x32.545 mm
Bore Diameter	71,438 mm
Outer Diameter	120 mm
Width	32,545 mm
d	71,438 mm
D	120 mm
T	32,545 mm
B	32,545 mm
C	26,195 mm
ra1 max.	3,3 mm
a	6,1 mm
Da	107 mm
db	79 mm
ra max.	3,5 mm
da	86 mm
Db	114 mm
Weight	1,42 Kg
Basic dynamic load rating (C)	147 kN
Basic static load rating (C0)	214 kN
(Grease) Lubrication Speed	3 000 r/min
(Oil) Lubrication Speed	4 000 r/min
Calculation factor (e)	0,36
Calculation factor (Y0)	0,92
d1	95 mm
e	0.36
Y2	1.67

4T-47490/47420 Bearing 2D drawings and 3D CAD models



## TZR Bearing Machine Development Co.,...

Y0	0.92
Mass	1.42 kg
Dynamic load, C	147 kN
Rating life coefficient, A2	1.4
Static load, C0	214 kN
Fatigue limit load, Cu	26.1 kN
Nlim (oil)	4,000 rpm
Nlim (grease)	3,000 rpm
Min operating temperature, Tmin	-40 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.04 Hz
Characteristic outer ring frequency, BPF0	9.69 Hz
Characteristic inner ring frequency, BPGI	12.31 Hz
ra max	3.5 mm
r1a max	3.3 mm