



Technical data

4T-L217849/L217810

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Visual(s)



Product definition

d	88.9 mm
D	123.82 mm
B	20.64 mm
C	16.67 mm
T	20.64 mm
d1	107 mm
a	21.34 mm
e	0.33
Y2	1.82
Y0	1
Mass	0.74 kg
Brand	NTN

Product performance

Dynamic load, C	80 kN
Rating life coefficient, A2	1.4
Static load, C0	141 kN
Fatigue limit load, Cu	16.9 kN
Nlim (oil)	3,500 Tr/min
Nlim (grease)	2,700 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.47 Hz
Characteristic rolling element frequency, BSF	14.34 Hz
Characteristic outer ring frequency, BPF0	15.85 Hz
Characteristic inner ring frequency, BPFI	18.15 Hz

Abutment dimensions

ra max	1.5 mm
r1a max	1.5 mm

Calculation factors

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_0 = X_0.F_r + Y_0.F_a$$

X_0	Y_0
0.5	Y0

If $P_0 \leq F_r$, then use $P_0 = F_r$

The values for e, Y2 and Y0 are shown in the above table