

PDF technical sheet

4TJM736149/JM736110



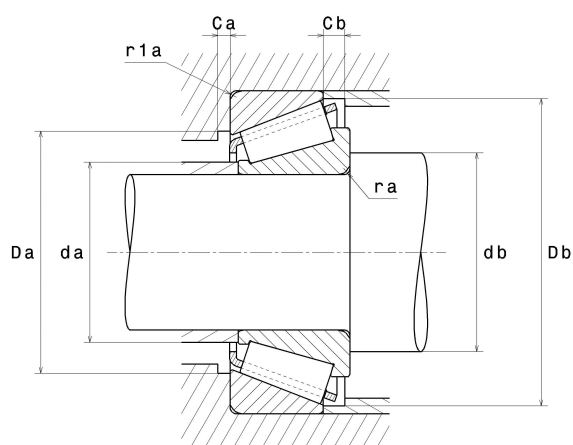
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	7.0866 "
D	9.8425 "
B	1.7717 "
C	1.4567 "
T	1.8504 "
d1	8.6220 "
e	0.48
Y2	1.25
Y0	0.69
Mass	23.85 oz
Brand	NTN



Product performance	
Dynamic load, C	370 kN
Rating life coefficient, A2	1.4
Static load, C0	710 kN
Fatigue limit load, Cu	68.80 kN
Nlim (oil)	1,700 RPM
Nlim (grease)	1,300 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
ra max	0.1181 "
r1a max	0.0984 "

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 $P_0 < F_r$, then use $P_0 = F_r$

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