

PDF technical sheet 4T33006



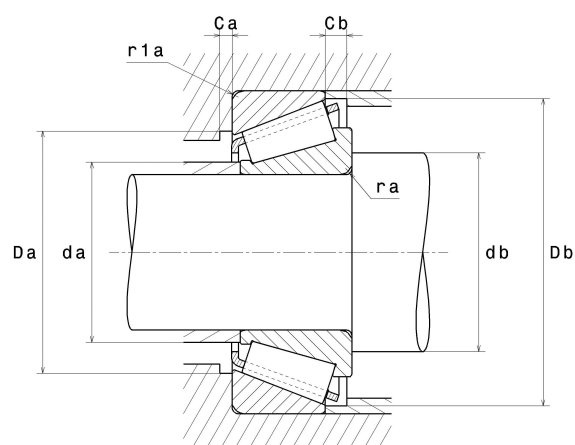
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	1.1811 "
D	2.1654 "
B	0.7874 "
C	0.6299 "
T	0.7874 "
a	0.5118 "
rs min	0.0394 "
r1s min	0.0394 "
e	0.29
Y2	2.06
Y0	1.13
Mass	0.71 oz
ISO 355 reference	T2CE030
Brand	NTN



Product performance	
Dynamic load, C	42.50 kN
Rating life coefficient, A2	1.4
Static load, C0	54 kN
Fatigue limit load, Cu	6.60 kN
Nlim (oil)	9,200 RPM
Nlim (grease)	6,900 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da max	1.3976 "
db min	1.3976 "
Da max	1.9488 "
Db min	2.0472 "
ra max	0.0394 "
r1a max	0.0394 "

Calculation factors

Equivalent dynamic radial load

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

Fa / Fr ≤ e		Fa / Fr > e	
X	Y	X	Y
1	0	0.4	Y2

Equivalent static radial load

$$P_o = X_o.F_r + Y_o.F_a$$

X ₀	Y ₀
0.5	Y0

If $P_o < F_r$, then use $P_o = F_r$

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