

PDF technical sheet 4TT7FC055



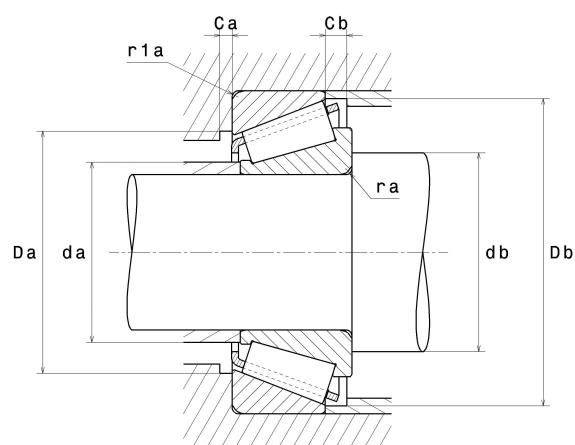
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	2.1654 "
D	4.5276 "
B	1.2205 "
C	0.9252 "
T	1.3386 "
d1	3.4646 "
a	1.5748 "
rs min	0.1181 "
r1s min	0.1181 "
e	0.87
Y2	0.69
Y0	0.38
Mass	5.53 oz
Brand	NTN



Product performance	
Dynamic load, C	123 kN
Rating life coefficient, A2	1.4
Static load, C0	156 kN
Fatigue limit load, Cu	19 kN
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da max	2.5984 "
db min	2.6378 "
Da max	4.0551 "
ra max	0.0984 "
r1a max	0.0984 "

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

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

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