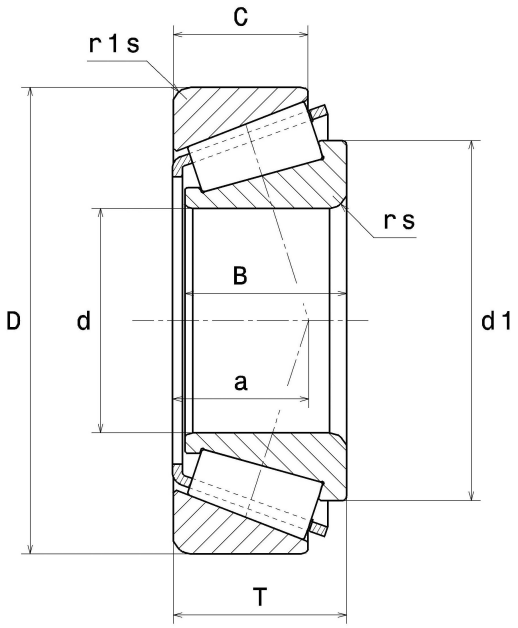
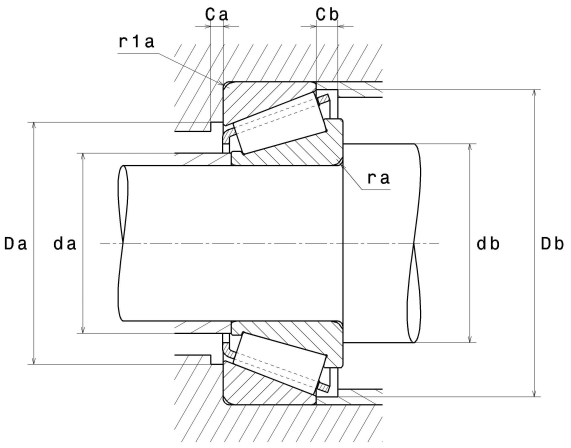
PDF technical sheet
4TT7FC045

Single row tapered roller bearings
Tapered roller bearing, pressed steel cage

Product definition	
d	1.7717 "
D	3.7402 "
B	1.0433 "
C	0.7874 "
T	1.1417 "
d1	2.8543 "
a	1.2992 "
rs min	0.0984 "
r1s min	0.0984 "
e	0.87
Y2	0.69
Y0	0.38
Mass	3.20 oz
Brand	NTN



Product performance	
Dynamic load, C	89.50 kN
Rating life coefficient, A2	1.4
Static load, C0	108 kN
Fatigue limit load, Cu	13.20 kN
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	248 °C



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da max	2.1063 "
db min	2.2441 "
Da max	3.3465 "
ra max	0.0787 "
r1a max	0.0787 "

Calculation factors

Equivalent dynamic radial load

P = X.Fr + Y.Fa

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

Equivalent static radial load

Po= Xo.Fr + Yo.Fa

X_0	Y_0
0.5	Y0

If Po <Fr, then use Po = Fr

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