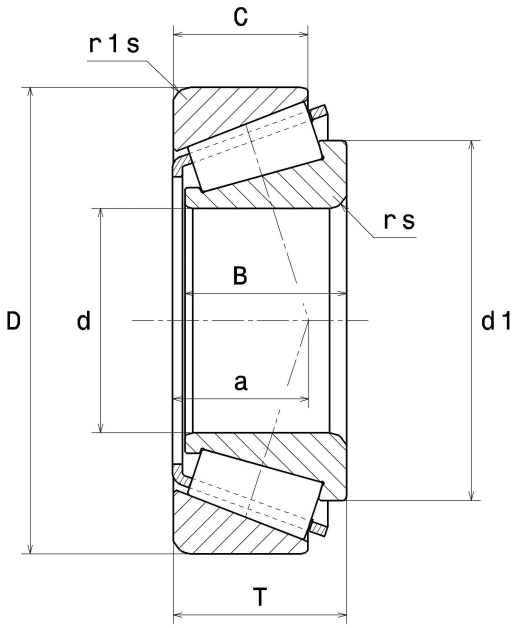
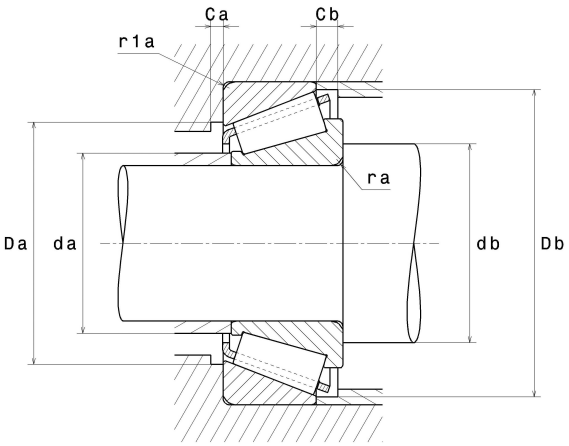
PDF technical sheet
4T07100S/07196

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

Product definition	
d	1.0000 "
D	1.9687 "
B	0.5614 "
C	0.3750 "
T	0.5313 "
a	0.4132 "
e	0.4
Y2	1.49
Y0	0.82
Mass	0.41 oz
Brand	NTN



Product performance	
Dynamic load, C	26 kN
Rating life coefficient, A2	1.4
Static load, C0	27.90 kN
Fatigue limit load, Cu	3.40 kN
Nlim (oil)	10,000 RPM
Nlim (grease)	7,500 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions	
ra max	0.0591 "
r1a max	0.0394 "

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S.A. au capital de 123 599 542 € - RCS ANNECY B 325 821 072 – Id. Fiscale : FR 48 325 821 072 – SIRET 325 821 072 00015 –
Code APE 2815 Z – Code NACE 28.15

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