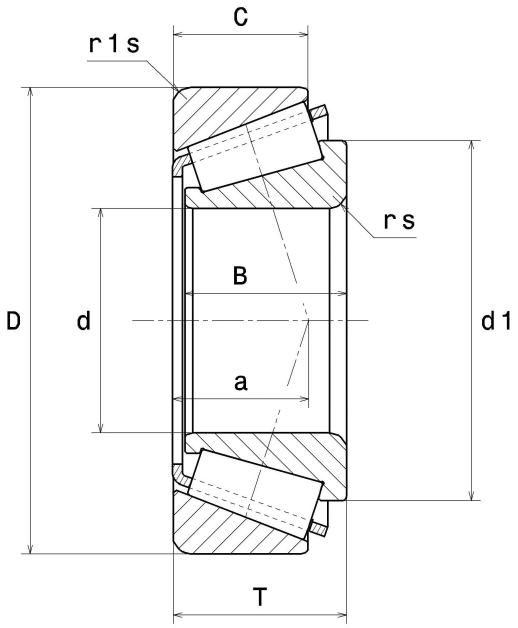
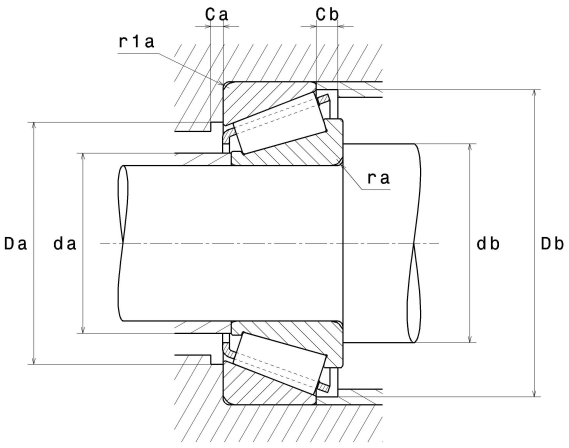
PDF technical sheet
32222U

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

Product definition	
d	4.3307 "
D	7.8740 "
B	2.0866 "
C	1.8110 "
T	2.2047 "
a	1.8504 "
rs min	0.0984 "
r1s min	0.0787 "
e	0.42
Y2	1.43
Y0	0.79
Mass	26.21 oz
ISO 355 reference	T3FC110
Brand	NTN



Product performance	
Dynamic load, C	420 kN
Rating life coefficient, A2	1
Static load, C0	605 kN
Nlim (oil)	2,400 RPM
Nlim (grease)	1,800 RPM
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	4.8819 "
db min	4.9606 "
Da max	7.4016 "
Db min	7.4803 "
ra max	0.0984 "
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