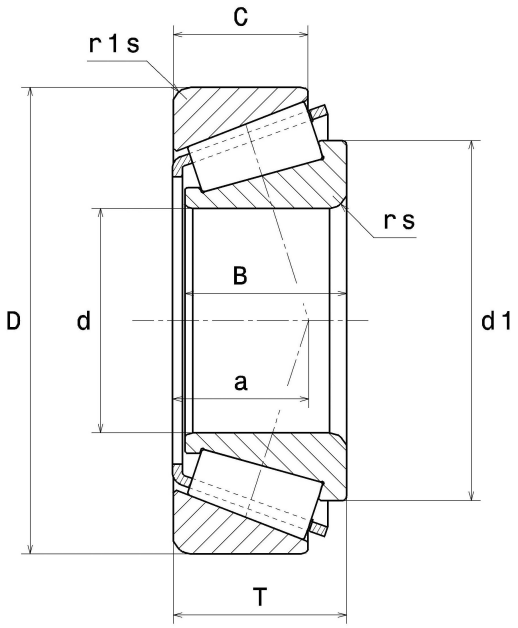
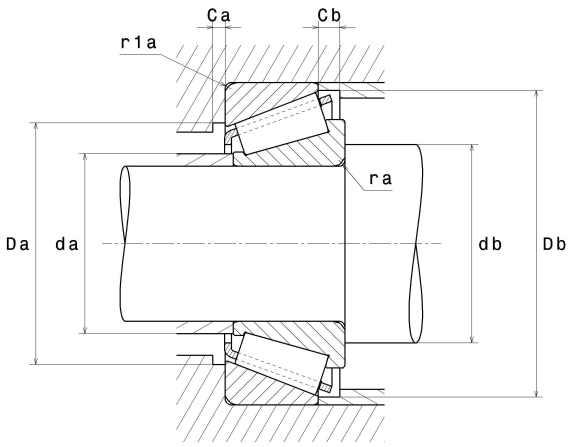
PDF technical sheet
32964XU

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

Product definition	
d	12.5984 "
D	17.3228 "
B	2.9921 "
C	2.2441 "
T	2.9921 "
d1	15.0000 "
a	3.3465 "
rs min	0.1575 "
r1s min	0.1181 "
e	0.42
Y2	1.44
Y0	0.79
Mass	116.76 oz
ISO 355 reference	T3FD320
Brand	NTN



Product performance	
Dynamic load, C	1,010 kN
Rating life coefficient, A2	1
Static load, C0	2,150 kN
Fatigue limit load, Cu	176 kN
Nlim (oil)	900 RPM
Nlim (grease)	670 RPM
Min operating temperature, Tmin	−40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.12 Hz
Characteristic outer ring frequency, BPF0	16.69 Hz
Characteristic inner ring frequency, BPFI	19.32 Hz



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Code APE 2815 Z – Code NACE 28.15

Abutment dimensions	
da max	13.5433 "
db min	13.3071 "
Da min	15.6693 "
Da max	16.7717 "
Db min	16.7717 "
Ca min	0.5118 "
Cb min	0.7480 "
ra max	0.1181 "
r1a max	0.0984 "

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