

PDF technical sheet

32064XU



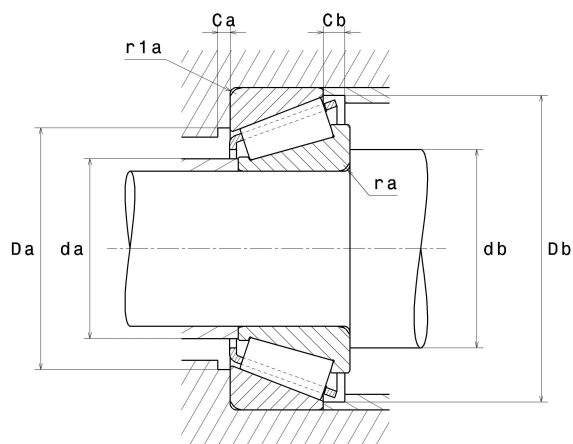
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	12.5984 "
D	18.8976 "
B	3.9370 "
C	2.9134 "
T	3.9370 "
d1	15.8465 "
a	4.0945 "
rs min	0.1969 "
r1s min	0.1575 "
e	0.46
Y2	1.31
Y0	0.72
Mass	212.35 oz
ISO 355 reference	T4GD320
Brand	NTN



Product performance	
Dynamic load, C	1,520 kN
Rating life coefficient, A2	1
Static load, C0	2,940 kN
Fatigue limit load, Cu	236 kN
Nlim (oil)	840 RPM
Nlim (grease)	630 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C
Characteristic cage frequency, FTF	0.45 Hz
Characteristic rolling element frequency, BSF	10.14 Hz
Characteristic outer ring frequency, BPF0	12.69 Hz
Characteristic inner ring frequency, BPFI	15.31 Hz



Abutment dimensions

da max	13.5630 "
db min	13.4646 "
Da min	16.4764 "
Da max	18.1890 "
Db min	18.2283 "
Ca min	0.5906 "
Cb min	1.0236 "
ra max	0.1575 "
r1a max	0.1181 "

Calculation factors

Equivalent dynamic radial load

$$P = X.F_r + Y.F_a$$

$F_a / F_r \leq e$		$F_a / F_r > e$	
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 $P_0 \leq F_r$, then use $P_0 = F_r$

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