

PDF technical sheet 32060XU



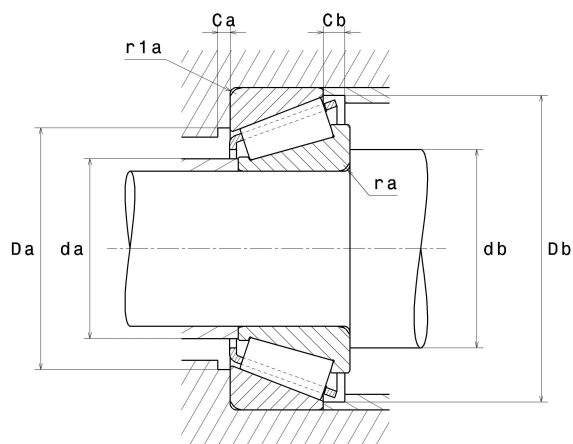
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	11.8110 "
D	18.1102 "
B	3.9370 "
C	2.9134 "
T	3.9370 "
d1	14.9606 "
a	3.8583 "
rs min	0.1969 "
r1s min	0.1575 "
e	0.43
Y2	1.38
Y0	0.76
Mass	210.23 oz
ISO 355 reference	T4GD300
Brand	NTN



Product performance	
Dynamic load, C	1,490 kN
Rating life coefficient, A2	1
Static load, C0	2,830 kN
Fatigue limit load, Cu	231 kN
Nlim (oil)	910 RPM
Nlim (grease)	680 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	9.59 Hz
Characteristic outer ring frequency, BPF0	12.16 Hz
Characteristic inner ring frequency, BPFI	14.84 Hz



Abutment dimensions

da max	12.9528 "
db min	12.6772 "
Da min	15.9055 "
Da max	17.4016 "
Db min	17.2835 "
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