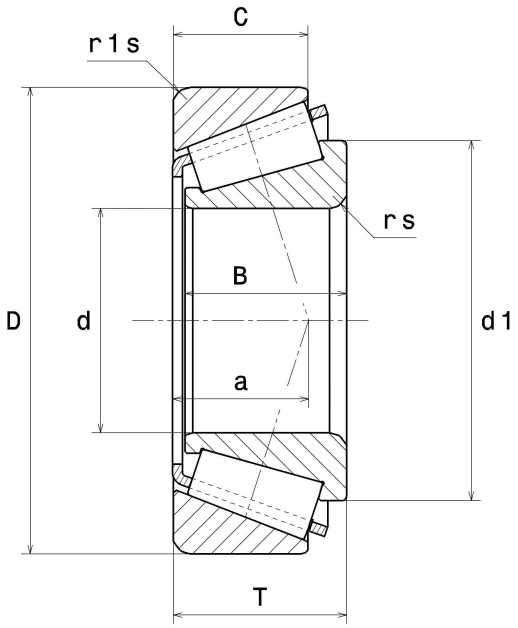
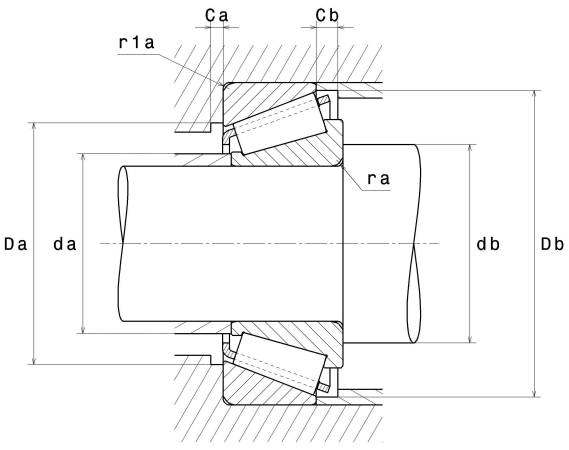
PDF technical sheet
4T32048X

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

Product definition	
d	9.4488 "
D	14.1732 "
B	2.9921 "
C	2.2441 "
T	2.9921 "
d1	11.8701 "
a	3.0709 "
rs min	0.1575 "
r1s min	0.1181 "
e	0.46
Y2	1.31
Y0	0.72
Mass	94.53 oz
ISO 355 reference	T4FD240
Brand	NTN



Product performance	
Dynamic load, C	930 kN
Rating life coefficient, A2	1.4
Static load, C0	1,760 kN
Fatigue limit load, Cu	154.50 kN
Nlim (oil)	1,200 RPM
Nlim (grease)	870 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	13.14 Hz
Characteristic inner ring frequency, BPFI	15.86 Hz



NTN-SNR ROULEMENTS – www.ntn-snr.com
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Abutment dimensions	
da max	10.2756 "
db min	10.1575 "
Da min	12.5197 "
Da max	13.6220 "
Db min	13.6220 "
Ca min	0.4724 "
Cb min	0.7480 "
ra max	0.1181 "
r1a max	0.0984 "

Calculation factors

Equivalent dynamic radial load

$P = X.Fr + Y.Fa$

$Fa / Fr \leq e$		$Fa / Fr > e$	
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