

PDF technical sheet 32024XU



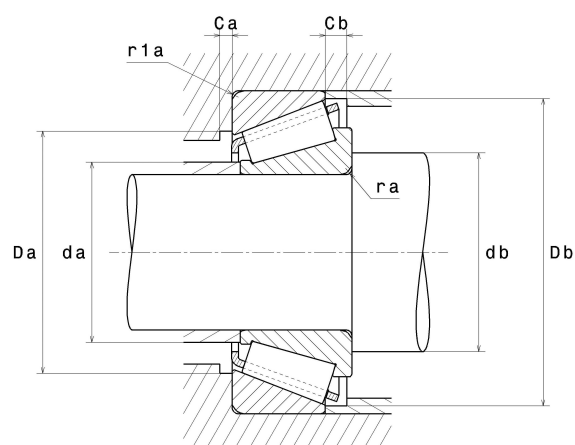
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Product definition	
d	4.7244 "
D	7.0866 "
B	1.4961 "
C	1.1417 "
T	1.4961 "
a	1.5354 "
rs min	0.0787 "
r1s min	0.0787 "
e	0.46
Y2	1.31
Y0	0.72
Mass	11.46 oz
ISO 355 reference	T4DC120
Brand	NTN



Product performance	
Dynamic load, C	245 kN
Rating life coefficient, A2	1
Static load, C0	420 kN
Nlim (oil)	2,500 RPM
Nlim (grease)	1,800 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

da max	5.1969 "
db min	5.1575 "
Da max	6.6929 "
Db min	6.8110 "
ra max	0.0787 "
r1a max	0.0787 "

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

$$P_o = X_o.F_r + Y_o.F_a$$

X_o	Y_o
0.5	Y0

If $P_o < F_r$, then use $P_o = F_r$

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