

PDF technical sheet 4TLM48548A/LM48510

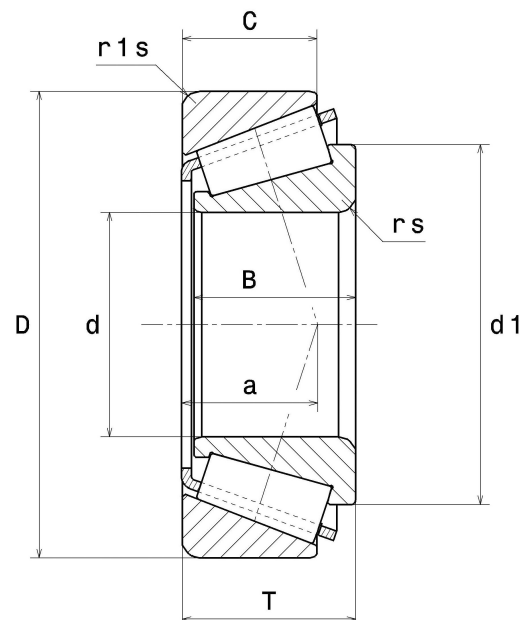


Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

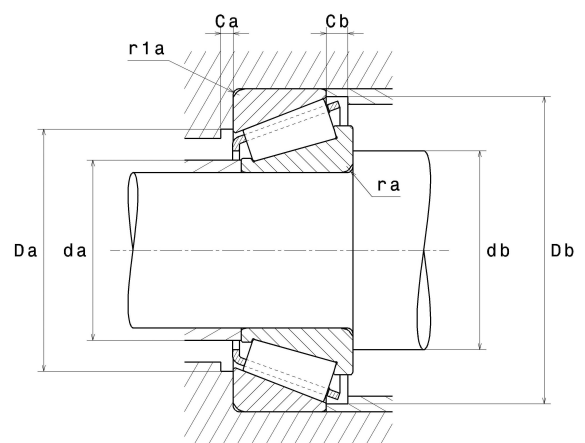
Product definition

d	1.3750 "
D	2.5625 "
B	0.7200 "
C	0.5500 "
T	0.7100 "
a	0.5643 "
e	0.38
Y2	1.59
Y0	0.88
Mass	0.89 oz
Brand	NTN



Product performance

Dynamic load, C	46.50 kN
Rating life coefficient, A2	1.4
Static load, C0	56 kN
Fatigue limit load, Cu	6.80 kN
Nlim (oil)	7,600 RPM
Nlim (grease)	5,700 RPM
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	248 °C



Abutment dimensions

ra max	0.0315 "
r1a max	0.0512 "

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 $P_0 < F_r$, then use $P_0 = F_r$

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