Technical data

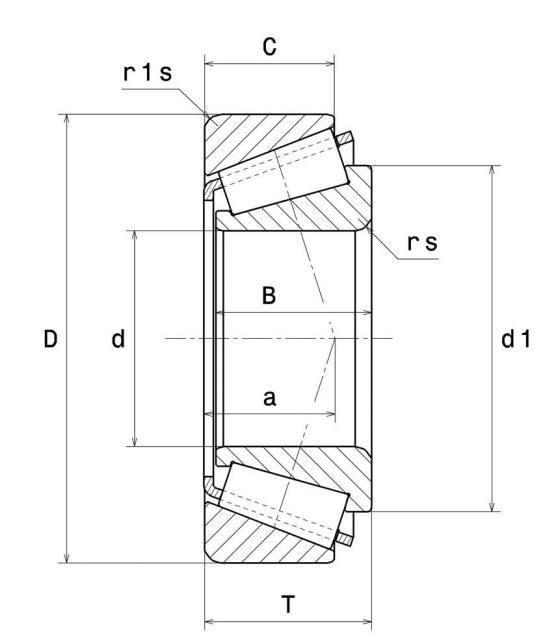
4T-32048X

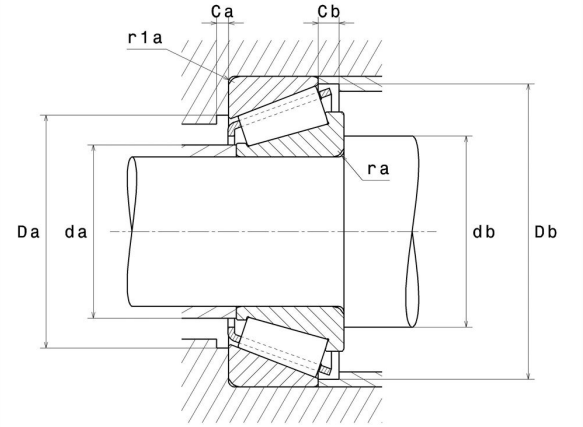
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	240 mm
D	360 mm
B	76 mm
C	57 mm
T	76 mm
d1	301.5 mm
a	78 mm
rs min	4 mm
r1s min	3 mm
e	0.46
Y2	1.31
Y0	0.72
Mass	26.8 kg
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	154.5 kN
Nlim (oil)	1,200 Tr/min
Nlim (grease)	870 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °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

Abutment dimensions

da max	261 mm
db min	258 mm
Da min	318 mm
Da max	346 mm
Db min	346 mm
Ca min	12 mm
Cb min	19 mm
ra max	3 mm
r1a max	2.5 mm

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