Technical data

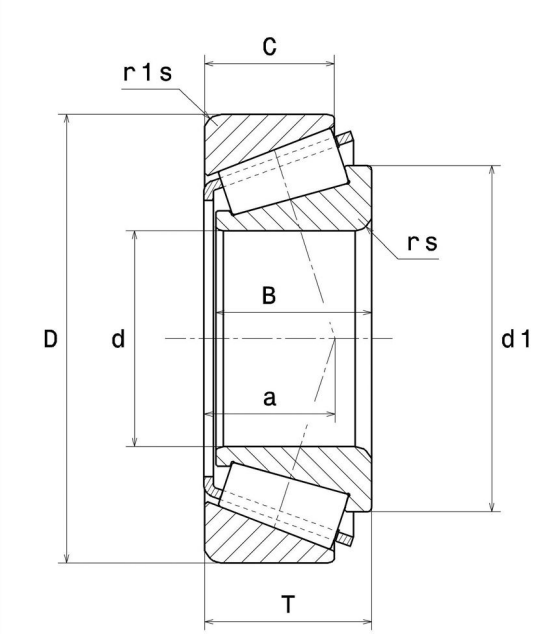
4T-32044X

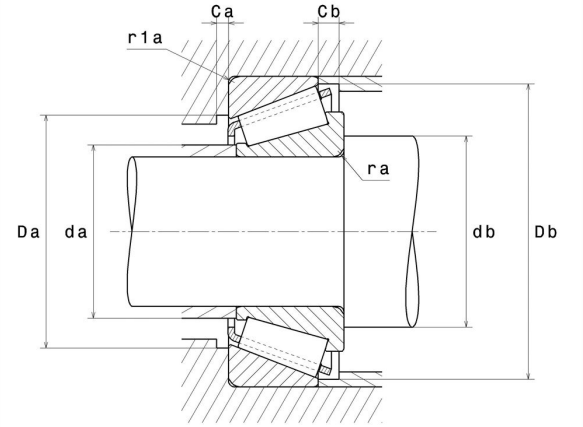
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	220 mm
D	340 mm
B	76 mm
C	57 mm
T	76 mm
d1	281.5 mm
a	72.5 mm
rs min	4 mm
r1s min	3 mm
e	0.43
Y2	1.39
Y0	0.77
Mass	25 kg
ISO 355 reference	T4FD220
Brand	NTN

Product performance

Dynamic load, C	920 kN
Rating life coefficient, A2	1.4
Static load, C0	1,690 kN
Fatigue limit load, Cu	151.3 kN
Nlim (oil)	1,300 Tr/min
Nlim (grease)	960 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	9.48 Hz
Characteristic outer ring frequency, BPF0	12.6 Hz
Characteristic inner ring frequency, BPFI	15.4 Hz

Abutment dimensions

da max	243 mm
db min	238 mm
Da min	300 mm
Da max	326 mm
Db min	326 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