Technical data

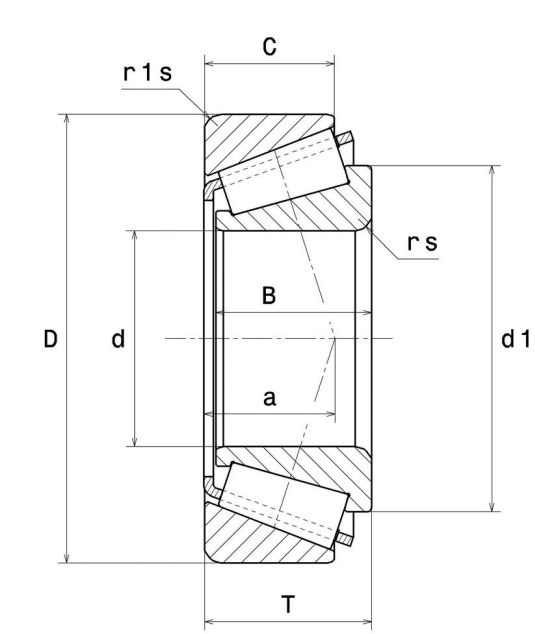
4T-32009X

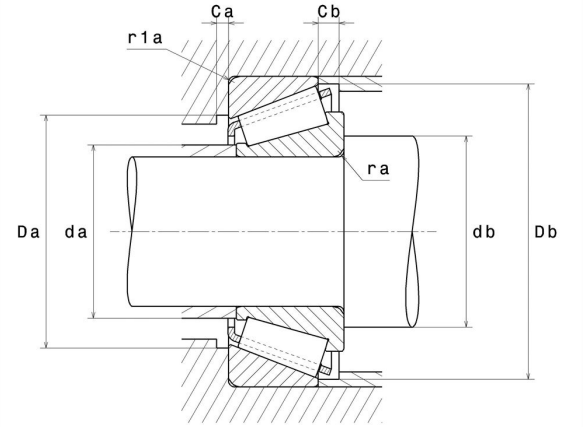
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	45 mm
D	75 mm
B	20 mm
C	15.5 mm
T	20 mm
d1	60.5 mm
a	16.5 mm
rs min	1 mm
r1s min	1 mm
e	0.39
Y2	1.53
Y0	0.84
Mass	0.35 kg
ISO 355 reference	T3CC045
Brand	NTN

Product performance

Dynamic load, C	57.5 kN
Rating life coefficient, A2	1.4
Static load, C0	76.5 kN
Fatigue limit load, Cu	9.3 kN
Nlim (oil)	6,400 Tr/min
Nlim (grease)	4,800 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.44 Hz
Characteristic rolling element frequency, BSF	8.09 Hz
Characteristic outer ring frequency, BPF0	9.26 Hz
Characteristic inner ring frequency, BPFI	11.74 Hz

Abutment dimensions

da max	51 mm
db min	50.5 mm
Da min	67 mm
Da max	69.5 mm
Db min	72 mm
Ca min	4 mm
Cb min	4.5 mm
ra max	1 mm
r1a max	1 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