Technical data

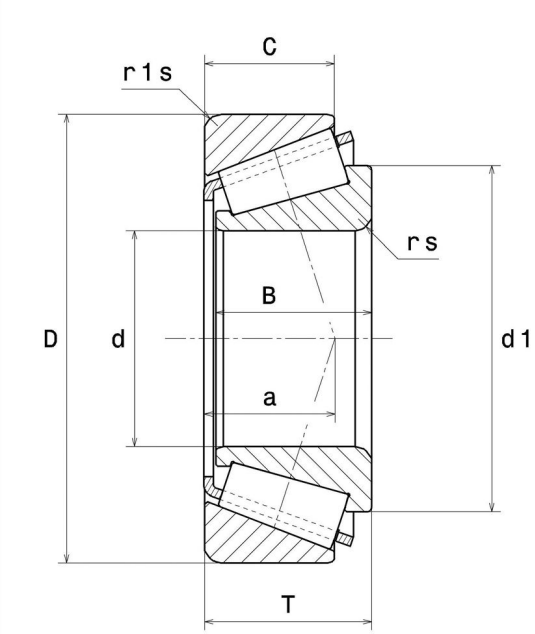
4T-33019

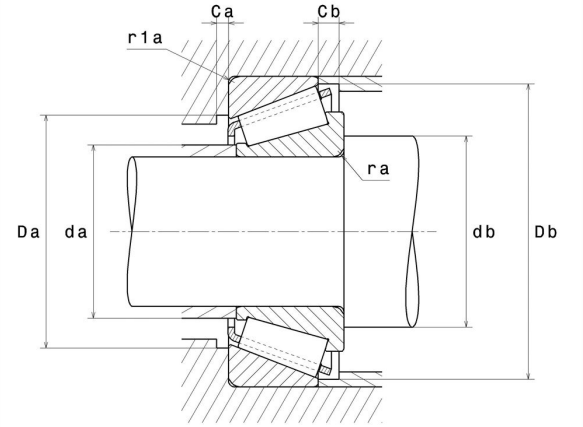
Single row tapered roller bearings



Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	95 mm
D	145 mm
B	39 mm
C	32.5 mm
T	39 mm
d1	120 mm
a	28.5 mm
rs min	2 mm
r1s min	1.5 mm
e	0.28
Y2	2.16
Y0	1.19
Mass	2.27 kg
ISO 355 reference	T2CE095
Brand	NTN

Product performance

Dynamic load, C	219 kN
Rating life coefficient, A2	1.4
Static load, C0	375 kN
Fatigue limit load, Cu	43.3 kN
Nlim (oil)	3,100 Tr/min
Nlim (grease)	2,300 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	9.73 Hz
Characteristic outer ring frequency, BPF0	12.15 Hz
Characteristic inner ring frequency, BPFI	14.85 Hz

Abutment dimensions

da max	104 mm
db min	105 mm
Da min	131 mm
Da max	136.5 mm
Db min	139 mm
Ca min	7 mm
Cb min	6.5 mm
ra max	2 mm
r1a max	1.5 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