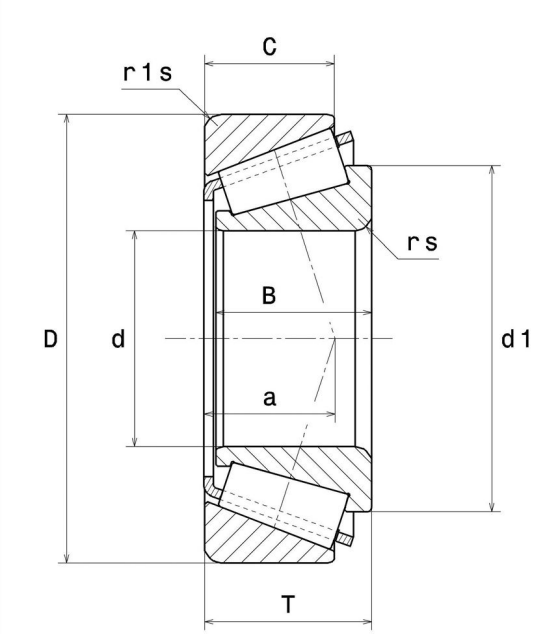
Technical data

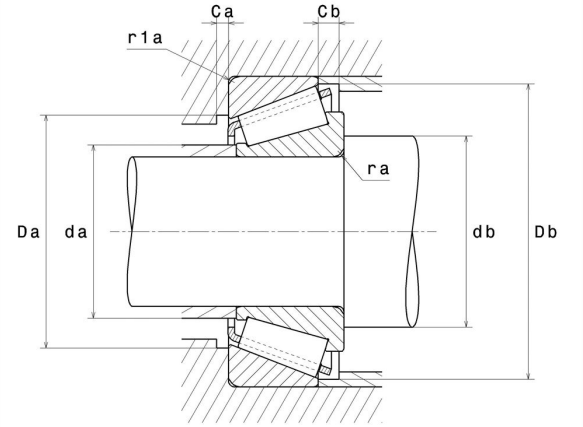
32319U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage

Visual(s)





Product definition

d	95 mm
D	200 mm
B	67 mm
C	55 mm
T	71.5 mm
d1	143.5 mm
a	49 mm
rs min	4 mm
r1s min	3 mm
e	0.35
Y2	1.74
Y0	0.96
Mass	10.1 kg
ISO 355 reference	T2GD095
Brand	NTN

Product performance

Dynamic load, C	505 kN
Rating life coefficient, A2	1
Static load, C0	670 kN
Fatigue limit load, Cu	72.8 kN
Nlim (oil)	2,500 Tr/min
Nlim (grease)	1,900 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.41 Hz
Characteristic rolling element frequency, BSF	5.27 Hz
Characteristic outer ring frequency, BPF0	6.16 Hz
Characteristic inner ring frequency, BPFI	8.84 Hz

Abutment dimensions

da max	113 mm
db min	113 mm
Da min	166 mm
Da max	186 mm
Db min	186 mm
Ca min	5 mm
Cb min	16.5 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