Technical data

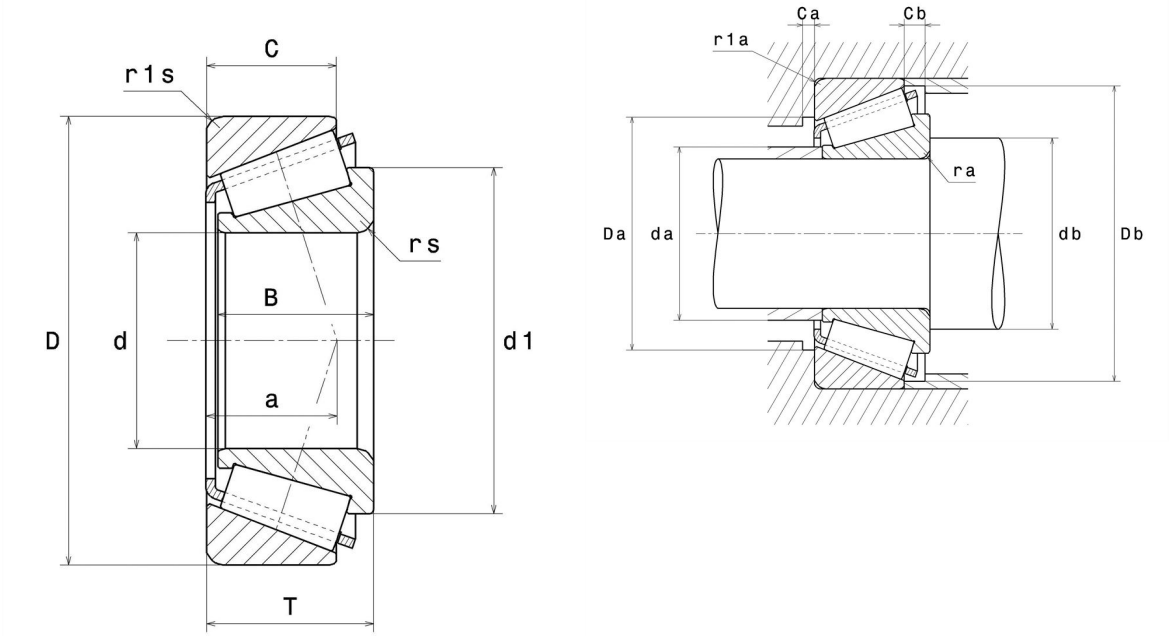
32919XU

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	95 mm
D	130 mm
B	23 mm
C	18 mm
T	23 mm
d1	112.5 mm
a	23.5 mm
rs min	1.5 mm
r1s min	1.5 mm
e	0.36
Y2	1.68
Y0	0.92
Mass	0.85 kg
ISO 355 reference	T2BC095
Brand	NTN

Product performance

Dynamic load, C	101 kN
Rating life coefficient, A2	1
Static load, C0	178 kN
Fatigue limit load, Cu	21 kN
Nlim (oil)	3,400 Tr/min
Nlim (grease)	2,500 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	13.47 Hz
Characteristic outer ring frequency, BPF0	16.24 Hz
Characteristic inner ring frequency, BPFI	18.76 Hz

Abutment dimensions

da max	101 mm
db min	103.5 mm
Da min	117 mm
Da max	121.5 mm
Db min	125.5 mm
Ca min	4 mm
Cb min	5 mm
ra max	1.5 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