Technical data

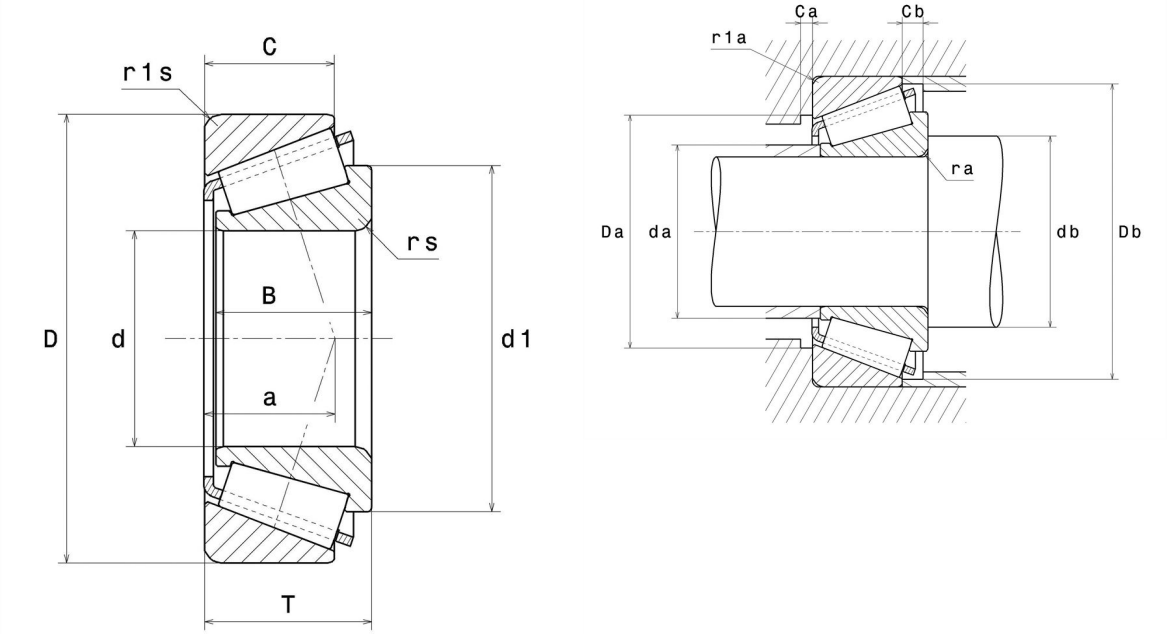
30219U

Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)



Product definition

d	95 mm
D	170 mm
B	32 mm
C	27 mm
T	34.5 mm
d1	128 mm
a	34 mm
rs min	3 mm
r1s min	2.5 mm
e	0.42
Y2	1.43
Y0	0.79
Mass	3.07 kg
ISO 355 reference	T3FB095
Brand	NTN

Product performance

Dynamic load, C	226 kN
Rating life coefficient, A2	1
Static load, C0	290 kN
Fatigue limit load, Cu	32.6 kN
Nlim (oil)	2,800 Tr/min
Nlim (grease)	2,100 Tr/min
Min operating temperature, Tmin	-40 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.43 Hz
Characteristic rolling element frequency, BSF	6.62 Hz
Characteristic outer ring frequency, BPF0	8.58 Hz
Characteristic inner ring frequency, BPFI	11.42 Hz

Abutment dimensions

da max	110 mm
db min	109 mm
Da min	149 mm
Da max	158 mm
Db min	159 mm
Ca min	5 mm
Cb min	7.5 mm
ra max	2.5 mm
r1a max	2 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