Technical data

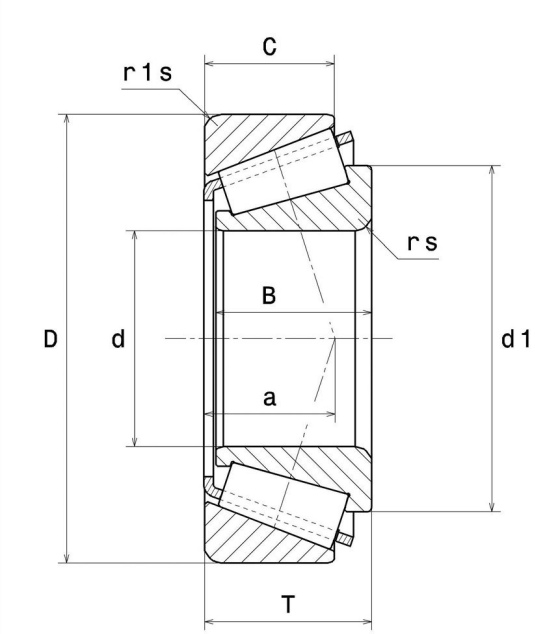
32912XA

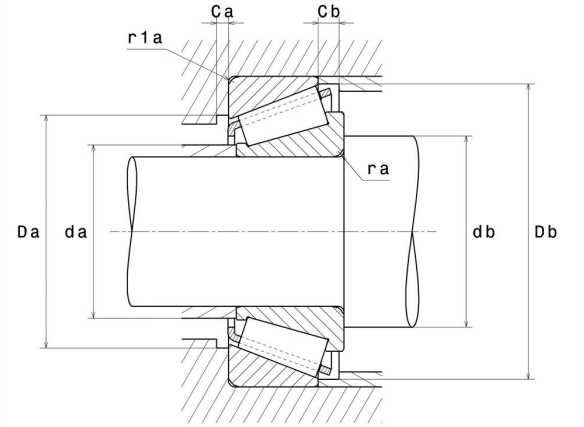
Single row tapered roller bearings

Tapered roller bearing, pressed steel cage



Visual(s)





Product definition

d	60 mm
D	85 mm
B	17 mm
C	14 mm
T	17 mm
a	15.5 mm
rs min	1 mm
r1s min	1 mm
e	0.33
Y2	1.8
Y0	0.99
Mass	0.3 kg
Brand	NTN

Product performance

Dynamic load, C	51 kN
Rating life coefficient, A2	1
Static load, C0	83 kN
Nlim (oil)	5,300 Tr/min
Nlim (grease)	4,000 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	12.46 Hz
Characteristic outer ring frequency, BPF0	14.76 Hz
Characteristic inner ring frequency, BPFI	17.24 Hz

Abutment dimensions

da max	65.5 mm
db min	66 mm
Da min	76.5 mm
Da max	79.5 mm
Db min	82.5 mm
Ca min	3 mm
Cb min	3 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